C.a

UK Ø3644Ø

908499 C. Z DTIC FILE C

UK 036440

AD-A220 056

## OPERATING L USAFE

## Air Weather S



RAF FAIRFO

PARTS A -

PERIOD OF THOURLY

SUMMARY

"Approved for public release; FEDERAL Distribution Unlimited."

ASHEVILLE, N.C.

## USAFETAC/IDS-87/060



# ATING LOCATION - A USAFETAC eather Service (MAC)

REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

RAF FAIRFORD UK

2

)1

JR

T

ζ

0

MSC #036440

N 51 41 E 001 47

ELEV 286 FT EGVA

PARTS A - F HOURS SUMMARIZED: 0000 - 2300 LST

PERIOD OF RECORD:

HOURLY OBSERVATIONS: NOV 74 - AUG 76,

OCT 79 - MAY 87

SUMMARY OF DAY DATA: JUN 52 - SEP 55,

JAN 58 - MAY 64,

SEP 79 - MAY 87

▶2 OCT 150!

FEDERAL BUILDING

VILLE. N.C. 28801 - 2723

DTIC ELECTE MAR 29 1990

**DO** 03 81

RRRRRRRR UU UU SSSSSS SSSSSS WW RRRRRRRRR UU UU SSSSSSS SSSSSSS WW RR 88 UU UU SSS SSS SSS SSS WW RR RRUU UU SS SS SS SS WW RRRRRRRR UU UU SS SS WW RRRRRRR UU UU SS SS WW RR RR UU UU SS SS SS SS WW RR RR UU UU SSS SSS SSS SSS WW RR RR UU UU SSSSSSS SSSSSSSS WW RR RR000000SSSSSS SSSSSS WW

STATION NAME: RAF FAIRFORD UK

STATION NUMBER: 036440

PERIOD OF RECORD:

Ĭ

HOURLY OBSERVATIONS: NOV 74 - AUG 76, OCT 79 - MAY 87

SUMMARY OF DAY DATA: JUN 52 - SEP 55, JAN 58 - MAY 64, SEP 79

TIME CONVERSION LST TO GMT: 0

DATE PRODUCED: 18 SEP 1987

S	SSSSSS	ww ww	0000
SS	SSSSSSS	WW WW	0000000
ŝSS	SSS SSS	ww ww	000 000
SS	SS SS	WW WW	00 00
	SS	ww ww	00 00
	SS	MM MM	00 00
b	SS SS	WW W WW	00 00
WISSS	SSS SSS	WW WWW WW	000 000
VW 5 S S	\$\$\$\$\$\$\$\$	WW WW WW	0000000
۵۶	SSSSSS	WWW WWW	0000

Accesi	on For	1							
NTIS DTIC	CRA&I TAB	b							
Unann	Unannounced   Justification								
By									
А	Availability Codes								
Dist	Avail and Specia								
A-1									

**₽AF FAIRFORD UK** 

CALL ID: EGVA

HOURS SUMMARIZED: 0000-2300 LST

Mark College

76, OCT 79 - MAY 87

155, JAN 58 - MAY 64, SEP 79 - MAY 87

- HOUPLY OBSERVATIONS: ALL RECORD OR RECORD SPECIAL OBSERVATIONS RECCINTERVALS.
- SUMMARY OF DAY CATA (DAILY OBSERVATIONS): DATA COMPILED FROM ALL AV OBSERVATIONS AND DAILY DATA RECORDED IN COLUMNS 66-73, AWS FOR
- DESCRIPTION OF SUMMARIES: PRECEEDING EACH PART OF THE RUSSWO IS A B MANNER OF PRESENTATION.
- STANDARD 3-HOUR TIME GROUPS: IN ALL SUMMARIES SHOWING DIURNAL VARIA FOLLOWING EIGHT 3-HOUR TIME PERIODS IN LOCAL STANDARD TIME: C 12CG-14OO, 15UO-17OC, 18OO-2OOO. 21OO-23OO LST.
- FOR A DETAILED DESCRIPTION OF EACH SUMMARY WITH EXAMPLES AND EXERCIS ALL FOR USING THE REVISED UNIFORM SUMMARY OF SURFACE WEATHER O

#### TABLE OF CONTENTS

STATION HISTORY

PART A: WEATHER CONDITIONS AND ATMOSPHERIC PHENOMENA SUMMARIE

PART B: PRECIPITATION, SNOWFALL, AND SNOW DEPTH SUMMARIES

PART C: SURFACE WIND SUMMARIES

PART D: CEILING VERSUS VISIBILITY AND SKY COVER SUMMARIES

PART E: TEMPERATURE AND RELATIVE HUMIDITY SUMMARIES

PART F: PRESSURE SUMMARIES

AWSMSC NUMBER: THIS NUMBER IS THE AIR WEATHER SERVICE MASTER STATIO THE WMO NUMBER WITH THE ADDITION OF A SUFFIX (O THROUGH 9). IN A 5-DIGIT NUMBER IS CREATED IN AGREEMENT WITH WMO RULES PLUS A AS DATSAV OR USAFETAC NUMBERS WHICH UNIQUELY IDENTIFY MORE THAN

FORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

SPECIAL OBSERVATIONS RECORDED ON THE AWS FORMS 10/10A AT SCHEDULED HOURLY

DATA COMPILED FROM ALL AVAILABLE OBSERVATIONS WHICH INCLUDES HOURLY IN COLUMNS 66-73, AWS FORMS 10/10A.

PART OF THE RUSSWO IS A BRIEF DISCUSSION OF THE SUMMARY INCLUDING THE

IES SHOWING DIURNAL VARIATIONS, WE SUMMARIZE DATA USING THE N LOCAL STANDARD TIME: 0000-0200, 0300-0500, 0600-0800, 090C-1100, 20 -2300 LST.

WITH EXAMPLES AND EXERCISES ON ITS USAGE, SEE USAFETAC/TN-83-001, "AN MARY OF SURFACE WEATHER OBSERVATIONS" (RUSSWO).

PHERIC PHENOMENA SUMMARIES

SNOW DEPTH SUMMARIES

E SKY COVER SUMMARIES

IDITY SUMMARTES

R

0 N

11

DI

AT

30

FER SERVICE MASTER STATION CATALOG NUMBER. THIS NUMBER IS COMPRISED OF ALCSUFFIX (O THROUGH 9). IN CASES WHERE THERE IS NO DESIGNATED WMO NUMBER, 3 12T WITH WMO RULES PLUS A SIXTH DIGIT. THESE NUMBERS ARE ALSO REFERRED TO DIQUELY IDENTIFY MORE THAN 15,000 REPORTING STATIONS WORLD WIDE.

		ST	ATION LOC	ATION AND IN	ISTRUMENTA	TION HISTO	RY
AWS MS	C NO.	NAME OF STATION		LATITUDE	LONGITUD	E FIE	LDEL
036	5440	FAIRFORD RAF UK		N 51 41	W 001 47	7	28
СНБ	GEOG	RAPHICAL LOCATION AND NAME	TYPE OF	AT THIS	LOCATION		T
NO.	GEOG	RAPRICAL LOCATION AND NAME	STATION	FROM	TO	LATITUDE	LOI
1	FAIRFORD	RAF UK	RAF	JUN 52	AUG 55	N 51 41	W
2	SAME		SAME	SEP 55	JUN 56	SAME	
3	SAME		SAME	MAR 57	SEP 57	SAME	
. 4	SAME		SAME	APR 58	MAP 61	SAME	
5	SAME		SAME	APR 61	JUN 64	SAME	
6	SAME*		SAME	JUL 64	AUG 79	SAME	
7	SAME		SAME	SEP 79	APR 80	SAME	
8	SAME		SAME	MAY 80	FEB 81	SAME	
9	SAME		SAME	MAR 81	4 JUL 84	SAME	
10	SAME		SAME	5 JUL 84	MAY 87	SAME	<b>T</b>
	* Deactiv	ated Jul 64-Obs taken by U	K Personn	el. Reacti	vated Sep	79.	
£нс		SUF	RFACE EQUIPM	ENT INFORMATI	ON	Annual residence of Management of States and	T
NO.	DATE OF CHANGE	LOCATION		TYPE O	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
1	JUN 52	Located on top of weather	station.	GMQ-1	ML-204E	30 FT	
2	APR 56	SAME		SAME	SAME	20 FT	
3	APR 57	SAME		SAME	SAME	30 FT	
Ą	SEP 57	Located 900 ft from end a			SAME	13 FT	
		off centerline of the eas	tern end c	51			
5	APR 58	Located 19 ft 6 in above near east end of runway.	the ground	3 GMQ-11	RO-2	SAME	

AWS FORM 2 NOV 83

in 5	STRUMENTA	TION H	ISTOR	Y Y					
1	LONGITUD	E	FIEL.	D ELEV (FT)	CALL SIGN		WMO	NUMBER	
1	V? 001 47	7	,   .	286	EGVA				
	LOCATION				ELEVATION	ABOVE	MSL	000 000 044	
<u> </u>	то	LATITU	JDE	LONGITUDE	FIELD (FT)	HT BARO		OBS PER DAY	
	AUG 55	N 51	41	W 001 47	293	293	FT	24	
4	JUN 56	SAN	Œ	SAME	SAME	SAME	S	10-14	
	SEP 57	SAM	Œ	SAME	Same	293	FT	17	
-	MAP 61	SAM	Œ	SAME	297	297	FT	24	
	JUN 64	SAM	Œ	SAME	297	SAMI	3	- 24	
-	AUG 79 SAME		Œ	SAME	SAME .	SAME	3	Unkn	
_	APR 80 SAME		SAME	286	Unkn		LDS		
4	FEB 81	SAM	Œ	SAME	286	294.	.1	LDS	
	4 JUL 84	SAM	Œ	SAME	286	294	1	24	
_84	MAY 87	SAM	E	SAME	SAME 265		.2	24	
_cti	vated Sep	79.							
RMATIC	ON				BENARK AR	DITIONA		DMENT	
PE OF	1 111501		ABOVE		OR REASO			i	
1	ML-204B	30	FT						
1	SAME	20	FT						
	SAME	30	FT						
-	SAME	13	FŢ	·			,		
-11	RO-2	SA	ME						

7

, ,

снс	DATE	SURFACE EQUIPMENT INF	ORMATION	. —	-		
₩О.	OF CHANGE	LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT_ABOVE GROUND	HT_ABOVE GROUND	
6	FEB 59	Located .6 miles SSE of weather station.	SAME	SAME	SAME		
7	MAY 64	SAME	SAME	SAME	SAME		
8	MAY 80-	Dual: Rwy 27 1385 ft from end 500 ft off center line South side Rwy 09 1400	GMQ 20	RO 362	13 FT	See ?	
		ft from end 500 ft off North Side.					
<u> </u>	,					· · · · · · · · · · · · · · · · · · ·	
 L							
		,					
-							
					,		

. At	URFACE EQUIPMENT INF	ORMATION		-	REMARKS, ADDITIONAL EQUIPMENT,			
EAS	,,	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT_ABOVE GROUND	OR REASON FOR CHANGE			
	f weather	Same	SAME	SAME				
		Same	SAME	SAME				
	from end 500 ft side Rwy 09 1400 North Side.	GMQ 20	RO 362	13 FT	See Atch			
	, NOIGH Side.							
_	ļ !		·					
	<u> </u>							
_	<u> </u>							
	- -							
4								
_								
_	<u>_</u>							
_	_							
		<u></u>		<u> </u>				

PPPPP	PPP	AAA	AAA	R RRR	RRRR	TT TTT TTTT	AAA	AAA
PPPPP	PPPP	<b>AA AA</b>	AAAA	R RRR	RRRRR	TT TT T T T T T T T T T T T T T T T T	AAAA	AAAA
ÞΡ	PP	AA	AA	RR	RR	TT	AA	AA
PΡ	PP	AA	AA	RR	RR	TT	AA	AA
PPPPP	pppp	AA	AA	R RRR	RRRRR	ŤΤ	AA	AA
PPPP	PPP	A A A A A	AAAAA	R RRR	RRRR	TT	AAAA	A A A A A
PΡ		<b>A A A A A</b>	A A A A A	RR	RR	TT	AAAA	A A A A A
Р		AA	AA	RR	RR	ΤΤ	AA	AA
ŀΡ		AA	AA	RR	RR	ΤΤ	AA	AA
P		AA	AA	RR	RR	ΤŢ	AA	AA

#### WEATHER CONDITIONS AND ATMOSPHERIC PHENOMENA SUMMAR

#### WEATHER CONDITIONS SUMMARY

- 1. A PERCENTAGE FREQUENCY OCCURRENCE SUMMARY OF VARIOUS ATMOSPHERIC
- 2. DATA BASED ON HOURLY OBSERVATIONS.
- 3. SUMMARIZED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY

#### ATMOSPHERIC PHENOMENA SUMMARY

- 1. A PERCENTAGE FREQUENCY OF DAYS SUMMARY OF VARIOUS ATMOSPHERIC P. TO VISION.
- 2. DATA BASED ON SUMMARY OF DAY DATA.
- 3. SUMMARIZED BY MONTH WITH ALL HOURS AND ALL YEARS COMBINED.

#### **DEFINITIONS:**

THUNDERSTORMS: ALL REPORTED THUNDERSTORMS, TORNADOES AND WATERSPOUT RAIN AND/OR DRIZZLE: ALL REPORTED RAIN AND OR DRIZZLE FALLING TO THE FREEZING RAIN AND/OR FREEZING DRIZZLE (GLAZE): ALL REPORTED FREEZING SNOW AND/OR SLEET. SNOW INCLUDING SNOW PELLETS AND GRAINS, ICE CRYS PAIL: ALL REPORTED HAIL.

ALL PRECIPITATION: THIS CATEGORY INCLUDES ALL OBSERVATIONS REPORTING OF PRECIPITATION MAY APPEAR IN A SINGLE OBSERVATION, THE SUM OF EXCEED THE PERCENTAGES IN THIS COLUMN.

FOG: ALL REPORTED FOG, ICE FOG AND GROUND FOG.

SMOKE AND/OR HAZE: ALL REPORTED SMOKE, PAZE AND ANY COMBINATION THE

BLOWING SNOW: ALL REPORTED BLOWING SNOWS INCLUDING DRIFTING WHEN RE

DUST AND/OR SAND: ALL REPORTED DUST, SAND, BLOWING DUST, BLOWING SA THE ATMOSPHERIC PHENOMENA SUMMARY (DAYS WITH) INCLUDES ONLY THO VISIBILITY LESS THAN 5/8 MILES (1000 METERS).

ALL OBSTRUCTIONS TO VISION: INCLUDES ALL REPORTS OF OBSTRUCTIONS TO AND B\_OWING SPRAY. BECAUSE MORE THAN ONE PHENOMENA PER OBSERVA THE INDIVIDUAL COLUMNS MAY EXCEED THIS COLUMN.

MOSPHERIC PHENOMENA SUMMARIES IMARY OF VARIOUS ATMOSPHERIC PHENOMENA AND OBSTRUCTIONS TO VISION. 1E GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED). ₹Y OF VARIOUS ATMOSPHERIC PHENOMENA AND OBSTRUCTIONS ID ALL YEARS COMBINED. 'S. TORNADOES AND WATERSPOUTS. IND OR DRIZZLE FALLING TO THE GROUND BUT NOT FREEZING. AZE): ALL REPORTED FREEZING RAIN OR FREEZING DRIZZLE. 'ELLETS AND GRAINS, ICE CRYSTALS AND PELLETS. AND/OR SLEET (ICE PELLETS). S ALL OBSERVATIONS REPORTING PRECIPITATION. BECAUSE MORE THAN ONE TYPE IGLE OBSERVATION, THE SUM OF THE PERCENTAGES IN THE INDIVIDUAL COLUMNS MAY IN. ID FOG. AZE AND ANY COMBINATION THEREOF. INCLUDING DRIFTING WHEN REPORTED. ID, BLOWING DUST, BLOWING SAND AND ANY COMBINATION THEREOF. AYS WITH) INCLUDES ONLY THOSE REPORTS WHEN THE PHENOMENA 1 METERS). ()REPORTS OF OBSTRUCTIONS TO VISION (FOG THRU DUST/SAND) M ONE PHENOMENA PER OBSERVATION MAY OCCUR, THE SUM OF IIS COLUMN. () NOTES:

- 1. A VALUE IN THE TABLES OF ".O" INDICATES LESS THAN .05% OCCURRENCE WHICH
- 2. METAR STATIONS (BEGINNING IN JAN 1968) AND SYNOPTIC REPORTING STATIONS AWS FORMS 10/10A AND TRANSMITTED LONGLINE ONLY THE HIGHEST ORDER OF ATMOSPHERIC BEGINNING IN JAN 1970, METAR STATIONS RECORDED ALL OBSERVED PHENOMENA BUT CONTITHE HIGHEST ORDER. FOR EXAMPLE, IF THE OBSERVATION CONTAINED RAIN, FOG AND SMC APPEAR ON THE AWS FORMS 10/10A, BUT ONLY THE RAIN WAS TRANSMITTED LONGLINE. THAPPEARS IN OUR DATA BASE FOR HOURLY SUMMARIZATION. THIS PRACTICE EFFECTS THE F

INDICATES LESS THAN .05% OCCURRENCE WHICH IS USUALLY ONLY ONE OCCURRENCE

AN 1968) AND SYNOPTIC REPORTING STATIONS RECORDED ON THE DINE ONLY THE HIGHEST ORDER OF ATMOSPHERIC PHENOMENA OBSERVED. TECORDED ALL OBSERVED PHENOMENA BUT CONTINUED TO TRANSMIT ONLY OBSERVATION CONTAINED RAIN, FOG AND SMOKE, ALL THREE WILL THE RAIN WAS TRANSMITTED LONGLINE. THEREFORE ONLY THE RAIN THARIZATION. THIS PRACTICE EFFECTS THE PERCENTAGES IN THE TABLES.

PERCENTAGE FREQUENCY OF OCCURRENT FROM HOURLY OBSE

AIR WEATHER SERVICE/MAC

STATION N	UMBER:	036440	STATION	NAME:	RAF	FAIRFORD UK
-----------	--------	--------	---------	-------	-----	-------------

HOURS (LST)		TSTMS	RAIN &/OR DRIZZLE	FRZING RAIN 8/OR DRTZZLE	SNOW &/OR SLEET	HAIL	% 085 WITH PRECIF
00-02	1	• • • • •	15.3	•••••	4.9	• • • • • • • •	19.7
03-05	i		14.0		3.7		17.2
06-08	1		16.9	•1	3.6		20.2
69-11	I		17.1		5.6		21.7
12-14	1	. 1	17.2		4 • 2	• 1.	21.1
15-17	1		15.8	•1	3.0		19.0
18-20	i		12.9		3.0		15.6
21-23	ŀ		14.2		3.7		17.
TOTALS	1	.0	15.4		4.0	.0	19.6

STATION	NUMBER:	0.76440	STATIO	ON NAME:	RAF FA	IRFORD UK		
• • • • • • •	FOURS (LST)		TSTMS	RAIN &/OR DRIZZLL	FRZING RAIN &/OR DRIZZLE	SNOW &/OR SLEET	HVIL	% OBS WITH PRECIA
	£9-92		•••••	14.1	.3	3.8	•••••	17.6
	03-05	1		12.9	.5	2.4		15.7
	Ú6 <b>−</b> 08	1		12.7	•5	2.2		15.2
	09-11	I		12.8	. 3	4.6		17 • 3
	12-14	1		15.3	. 4	3.2	• 1	18.
	15-17	1		14.9	.1	3.4	. 3	18.
	18-20	1		13.8		2 • 6		16.
	21-23	1		13.5		2.6		16.
	TOTALS	1		13.8	• 3	3.1	• 1	16.
• • • • • • •				• • • • • • •			• • • • • • •	*****

## NTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

	FAI	ERFORD UK				MONTH:			,80-87		
	ING IN OP ZLE	SNOW &/GR SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE &/OR HAZE	SNOW	DUST E/OR SAND	% OBS W/OBST TO VISION	T'OT'AL OBS	
5.	• • • •	4.9	• • • • • •	19.7	15.2	1.1	, <u>l</u> į		16.6	752	• • • •
8.		3.7		17.2	18.1	• 7			18.8	757	
8.	.1	3.6		26.2	18.3	1.1			19.4	816	
٥.		5.6		21.7	20.8	3.5			24.3	840	
6.		4 • 2	• 1	21.1	16.4	6.9			23.4	835	
4 •	.1	3.0		19.0	14.1	6.5	. 4		21.0	827	
7.		3.0		15.6	17.9	2.7	• 4		21.1	698	
7.		3.7		17.7	17.7	1.3	• 5		19.5	600	
7.	.0	4.0		19.0	17.3		•2		20.5	6125	
	FAI	ERFORD UK				MONTH:			,80-87		
FO		SNOW E/OR SLEET	FAIL	% OBS WITH PRECIP	FOG	SMOKE &/OR HAZE	SNOW	DUST &/OR SAND	TO VISION	TOTAL OBS	• • • •
1.	.3	3.8	• • • • •	17:6	21.3	11.2	• • • • • • • • • •	• • • • •	32.5	733	• • • • •
9.	•5	2 • 4		15.7	29.7	8.8			38.5	737	
3.	•5	2.2		15.2	33.3	11.4			44.7	772	
8 •	. 3	4.6		17.1	28.4	20.5			48.8	776	
3.	.4	3.2	•1	18.7	13.8	24.2			38.0	776	
9.	.1	3.4	, 3	18.3	9.8	22.9			32.7	774	
2.		2 • 6		16.4	12.4	15.2			27.6	659	
ο.		2.6		16.1	20.0	9.2			29.2	585	
1.	. 3	3.1	•1	16.9	21.1	15.4			36.5	5812	
					<del>.</del>		,,,,,,,,,,,,				+

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

C

(

(

C

PERCENTAGE FREQUENCY OF OCCURR FROM HOURLY OB

STATION N	NUMBER:	036440	STATION NAME:	RAF FAIRFORD UK
-----------	---------	--------	---------------	-----------------

H <sub>O</sub> URS (LST)	тетня	RAÍN &/OR DRIZZLE	FRZING RAIN E/OR DRIZZLE	SNOW E/OR SLEET	HAIL	% 0 WIT PREC
00-02	* * *** * * * * * * * * *	14.0		1 • 4	• • • • • • • •	14
03-05		18.2		2.0		19
06-08		20.4		2.7		22
09-11		21.6	,	2.3		23
12-14	•1	20.5	ě	1 • 3		Ž1
15-17	.1	21.2		1 • 4	• 2	22
18-20	İ	17.6		1.3	.1	18
21-23 (		14.4		1.4		15
TGTALS	.0	18.5		1.7	.0	19

#### STATION NUMBER: 036449 STATION NAME: RAF FAIRFORD UK

HOUPS (LST)	   TSTMS   	RAIN &/OR DRIZZLE	FRZING RAIN &/OR DRIZZLE	SNOW E/OR SLEET	% 0 HAIL WIT PREC
00-02		10.2	,	1.1	10
03-05	.1	10.4		• 4	10
ი6-08	1	12.5		1.1	13
09-11	1	11.4		. 6	11
12-14	.1	12.3		1.0	13
15-17	. 6	11.6		1.6	.2 13
18-20	I	11.0		• 9	11
21-23	1	9.5		1 • 0	9
TOTALS		11.1		4.0	.0 11

υĸ				PERIOD MONTH	OF RECORD	: 75-76	,80-87	
OW OR ET	HAIL	% OBS WITH PRECIP	FOG	SMOKE E/OR	SNOM.	DUST &/OR SAND	% OBS W/OBST TO VISION	TÓTÁL ÖBS
• • • • • 4	• • • • • •	14.9	20.0	8.0	• • • • • • • • • •	• • • • • •	28.0	764
• 0		19.9	24 • 4	7•3			31.8	765
. 7		22 <b>.</b> 8	26.9	8.2			35.1	8°37
. 3		23.1	16.5	12.3			28.9	85 <sub>2</sub>
• 3								_
		21.7	5.7	11.6			17.2	847
. 4	• 2	22.1	5•6	10.5			16.1	840
. 3	• 1	18.5	8.0	9.8			17.8	7.1.4
. 4		15.5	12.5	4 • 8			17.3	666
. 7	.0	19.8	15.0	9.1			24.0	6285
UK				PERIOD MONTH	OF RECORD	: 75-76	,80-87	
	• • • • • • •	• • • • • • • • •	• • • • • • •		• • • • • • • • •		* Onc	• • • • • • • • • • • • • • • • • • • •
0 R	FAIL	7 OBS WITH PRECIP	FOG		BLOWING		W/OBST	TOTAL OBS
OW OR ET	FAIL	₩ IÍH	F0G	E/OR	BLOWING	E/OR	W/OBST TO	
OR ET .1	FAIL	WITH PRECIP		E/OR HAZE	BLOWING	E/OR	W/OBST TO VISION	0BS
OR ET .1	FAIL	WITH PRECIP	10.8	8/0R HAZE 6.2 7.3	BLOWING	E/OR	W/OBST TO VISION 17.0	0BS 757
OR ET	FAIL	WITH PRECIP  10.7  10.8  13.3	10.8	8/0R HAZE 6.2 7.3	BLOWING	E/OR	W/OBST TO VISIÓN 17.0 30.8	0BS 757 756
OR ET .1 .4	FAIL	WITH PRECIP  10.7  10.8  13.3  11.9	10.8 23.5 25.3	6.2 7.3	BLOWING	E/OR	W/OBST TO VISION 17.0 30.8	0BS 757 756 827
OR ET .1 .4 .1	FAIL	WITH PRECIP  10.7  10.8  13.3  11.9	10.8 23.5 25.3 6.7	6.2 7.3 11.4 18.3	BLOWING	E/OR	W/OBST TO VISION 17.0 30.8 36.6 25.1	0BS 757 756 827 830
OR ET .1 .4 .1	• • • • •	10.7 10.8 13.3 11.9	10.8 23.5 25.3 6.7 1.3	6.2 7.3 11.4 18.3 8.1	BLOWING	E/OR	W/OBST TO VISION 17.0 30.8 36.6 25.1	0BS 757 756 827 830 818
OR ET 	• • • • •	WITH PRECIP  10.7  10.8  13.3  11.9  13.0  13.2	10.8 23.5 25.3 6.7 1.3	6.2 7.3 11.4 18.3 8.1 6.1	BLOWING	E/OR	W/OBST TO VISION 17.0 30.8 36.6 25.1 9.4 6.6	0BS 757 756 827 830 818 821

J

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

09-11

12-14 |

15-17

18-20 |

21-23

TOTALS 1

C

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OUSER

9.1

6.1

7 .

10.

8 .

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK
--

	STATION NUMBER:	036440	STATIC	IN NAME:	HAF FAL	KLOKD ÓK		**
C	Hours		TSTMS	RAIN	FRZING RAIN	SNOW	Hait	2 0 B S
	(LS.T)				&/OR DRÎZZLE		Charles and A	PRECIR
C	00-02	1	• 3	11.6				11.6
Û	03-05			11.5				11.5
	06-08		• 2	12.5				12.5
Q .	09-11 12-14	•	• 1	13.5				13.8
C	15-17		1.0	14.6			•1	14.7
Ç	18-20	1	• 7	12.3				12.3
,	21-23	1	• 1	12.1				12.1
·	TOTALS	1	. 4	12.7			.0	12.7
No. 4					ŭ			
(	STATION NUMBER:	036440	STATI	•	RAF FAI			• • • • • •
C	FOURS (LST)	ļ 	TSTMS	8/0R	FRZING RAIN &/OR DRIZZLE	₹/OR	PAIL	% OBS WITH PRECIF
(	80-62	1	.9	11.0		••••••	• • • • • • •	11.0
Ç	03-05	1	. 4	10.0				10.(
C	06-08	1		10.0				10.0

9.2

6.9

7.9

10.6

8.1

9.2

. 9

• 5

1.0

• 6

. 5

UK		- 	4·0 0 0 0 0 A	MOÑTH	OF RECORD	-		gs grens diesens sie s d.
O W	HĄTL	% OBS WITH	FCG	SMOKE &108	BLOWING	DUST E/OR	2 OBS	TOTAL
ET		PRECIP		HAZE	SNOW	SAND	TO VESION	QBS:
	• • • • • • •	11.6	12.9	2.0	*** * * * * <sub># 0.</sub> *		14.9	760
		11.5	30•9	4.6			35.5	766
		12.5	24 • 2	13.7			37.9	842
		13.8	6.6	12.4			19.0	847
		13.1	1.8	9.5			11.3	838
	•1	14.7	• 8	7.3			8 • 1	836
		12.3	2.0	7•9			9.8	713
		12.1	6.1	3.0			9 • 1	704
	.0	12.7	10.7	7.6		• • • • • •	18.2	6306
UK				חרח+^ה	05 05000	14 7°76	9006	
UK				MONTH	OF RECORD : JUN	15-16	,00-00	
OW OR CT	FAIL	% OBS WITH PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	% OBS W/OBST TO	TOTAL OBS
							VISION	
		11.0	11.8	4.1			15 • g	688
		10.0	26.4	6.7			33.1	698
		10.0	17.4	14.2			31.5	742
		9.2	4 • 5	9.2			13.8	749
		6.9	1.3	6.1			7 • 4	742
		7.9	1.2	4.3			5,5	746
		10.6	2.0	4.2			6.2	601
		8.1	4 • 8	3.7			8.6	619
							15.2	

Ĺ	GLOBAL CLIMATOLOGY USAFETAC A IR WEATHER SERVIC		F	ERCENTAGE			CCURREN
Ú.	STATION NUMBER: 03		N NAME:	RAF FAIR	FORD UK		
\$ ;		6) g g g g g g g g g g g g g g g g g g g	RAIN		SNOW		% 0gS
C	FOURS   (LST)   	TSTMS	E/OR DRIZZLE	RAIN E/OR DRIZZLÉ	SLEET	HAIL	WITH PRECIP
Ç	CO-02	7	Û. 3			• • • • • •	80
•	03-05	1.1	0.8				8.0
en.	C6-08	. 7	10.3				10.3
*	09-11	. 9	7.7				7.7
_	12-14	. 7	5.4				5 • 4
$\epsilon$	15-17	1.7	6.4				6.4
(	18-20	1.0	6.1				6 • 1
	21-23	1.0	5 • 6				5.6
(	<b>***</b>						7 0
	TOTALS	1.0	7.2				7.2
	TOTALS	1.0	7 • 2			• • • • • •	
(	STATION NUMBER: 63	• • • • • • • • • •	• • • • • • • •	RAF FAIR	REORD UK	•••••	1.2
(		• • • • • • • • • •	ON NAME:				
(	STATION NUMBER: G3	• • • • • • • • • •	ON NAME: RAIN E/OR	FRZING RAIN	SNOW E/OR	HAIL	% OBS
Ç	STATION NUMBER: 63	6440 STATIO	ON NAME:	FRZING	SNOW	HAIL	* OBS
	STATION NUMBER: G3	6440 STATIO	ON NAME: RAIN E/OR	FRZING RAIN E/OR	SNOW E/OR	HAIL	% OBS
Ç	STATION NUMBER: G3  HOURS   (LST)	6440 STATIO	ON NAME:  RAIN  E/OR  ORIZZLE	FRZING RAIN E/OR	SNOW E/OR	HAIL	% OBS WITH PRECIP
	STATION NUMBER: G3  HOURS   (LST)	TSTMS	ON NAME:  RAIN E/OR  DRIZZLE	FRZING RAIN E/OR	SNOW E/OR	HAIL	% OBS WITH PRECIP
( (	STATION NUMBER: G3  +OURS   (LST)    G0-02    03-05	TSTMS	RAIN E/OR DRIZZLE	FRZING RAIN E/OR	SNOW E/OR	HAIL	% OBS WITH PRECIP 8.7
	STATION NUMBER: G3  +OURS   (LST)    G0-G2    G3-O5    C6-08	TSTMS	RAIN E/OR DRIZZLE	FRZING RAIN E/OR	SNOW E/OR	HAIL	% OBS WITH PRECIP 8.7 7.3
	STATION NUMBER: G3  +OURS   (LST)    G0-02    03-05    C6-08    09-11	75 TSTMS	RAIN E/OR DRIZZLE  8.7  7.3  8.1	FRZING RAIN E/OR	SNOW E/OR	HAIL	% OBS WITH PRECIP 8.7 7.3 8.1 7.6
	STATION NUMBER: G3  +OURS   (LST)    G0-02    03-05    C6-08    09-11    12-14	75 TSTMS	RAIN E/OR DRIZZLE  8.7  7.3  8.1  7.6	FRZING RAIN E/OR	SNOW E/OR	HAIL	% OBS WITH PRECIP 8.7 7.3 8.1 7.6
	STATION NUMBER: G3  +OURS   (LST)    G0-G2    G3-O5    C6-O8    G9-11    12-14    15-17	**************************************	RAIN E/OR DRIZZLE  8.7  7.3  8.1  7.6  10.0	FRZING RAIN E/OR	SNOW E/OR	HAIL	% OBS WITH PRECIP 8.7 7.3 8.1 7.6 10.0 8.5

8.5

TOTALS |

8.5

	CY OF (	CCURRENCE RLY OBSERV	OF WEA	THER CO	NDITIONS				
FR		ici objeni	7 1 1 1 1 1 1 3						
RD UK				PERIOD MONTP	OF RECORD	75-76	,80-86		
SNOW	• • • • • •	% 0 <sub>B</sub> S	• • • • • •	SMOKE	• • • • • • • • •	Dust	* 0BS	• • • • • • • • • • • • •	
d & / OR	PAIL	итти	FOG		BLOWING	& / OR	W/CBST	TOTAL	
LCET		PRECIP		HAZE	SNOW	SAND	TO VIŠION	OBS	
4	• • • • • •	8.0	10.2	5.0	• • •.• • • • • • •	• • • • • •	15.2/	684	
8		8.0	27 • 8	4 • 8			32.5	713	
+		10.3	21.7	9.9			31.6	766	
9		7.7	4.9	10.5			15.3	78 <sub>2</sub>	
\$		5.4	1.3	7.7			9.0	766	
		6.4	• 9	5.6			6 • 6	763	
		6.1	1.2	8.6			9 • 8	604	
		5.6	2.4	7.2			9 • 6	627	
		7.2	8.8	7 • 4			16.2	5705	
		••••••	•••••	• • • • • •	• • • • • • • • •	•••••	• • • • • • •	• • • • • • • • • • • • • •	
DRD UK				MONTH	OF RECORD : AUG				
SNOW		% OBS	• • • • • •	SMOKE	• • • • • • • • •	DUST	% OBS	• • • • • • • • • • • •	
8/0R	HAIL	WITH	FOG		BLOWING			TOTAL	
SLEET	•	PRECIP		HAZE		SAND	TO VISION	OBŜ	
• • • • • • •	• • • • • •	8.7	14.3	44	• • • • • • • • •	• • • • • •	18.8	698	
		7.3	30.0	2.3			32.2	711	
1									
		8.1	30.1	7.9			38.0	755	

10.0

8.5

9.1

8 • 6

8.5

2.

5.

1.

• 3

• 5

2.5

5.9

11.4

9.7

10.3

14.1

8 • 5

8 • 6

10.0

10.8

16.6

14.3

20.0

76<sub>0</sub>

750

602

614

5653

O

O

Ũ

€.

(

r

(

(

0

(

### PERCENTAGE FREQUENCY OF OCCURIFROM HOURLY OF

FOURS (LST)	TSTMS	RAIN &/OR DRIZZLE	FRZING RAIN &/OR DRIZZLE	SNOW &/OR SLEET	#AIL WIT PREC
00-02	. 4	10.6			10
03-05	. 5	11.6			11
06-08	1	11.1			11
C9-11	1	9 • 4			9
12-14	1	9.9			9
15-17	.1	9.9			9
18-20	.2	9.9			9
21-23	.2	11.3			11
TOTALS	1 .2	10.5			10

#### STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

FOURS (LST)	   TS 	S TM S	RAIN &/OR URIZZLE	FRZING RAIN &/OR DRIZZLE	SNOW &/OR SLEET	FAIL	% O WIT PREC
	1	• • • • •	13.3	••••		• • • • • •	13
C3-05	1		16.3				16
06-08	1		17.6				17
09-11	1	• 1	13.7			•1	13
12-14	1		15-6				15
15-17	1		17.2				17
18-20	1		13.4				13,
21-23	1		12.3				12.
TOTALS		.0	14.9			.0	14

UK				PERIOD MONTHS	OF RECORD:	75-76	,80-86		
ow OR ET	⊬AIL	% OBS WITH PRECIP	FOG		BLOWING SNOW	DUST &/OR SHND	% OBS W/OBST TO VISION	TOTAL OBS	
	• • • • • •	10.6	21.7	2.0		• • • • •	23.7	706	
		11.6	31.3	2.6			33.9	731	
•		11.1	34.6	5 • 4			40.0	755	
		9.4	14.5	9 • 1			23.6	757	
		9.9	3.8	8.0			11.9	758	
		9.9	1.3	9.3			10.6	754	
		9 4.9	3.7	12.2			15.9	574	
		11.3	1.1 - 6	5.5			17.1	586	
		10.5	15.3	6.8			22.1	5621	
UK DW DR	 Fail	% OBS	FoG	MONTH SMOKE E/OR	BLOWING	DUST ε/OR	% 08S W/08ST	TOTAL	
Τ.		PRECIP		-µAZE	SNOM	SAND	VISION	OBS	
•••	• • • • • •	13.3	21.6	3.9	• • • • • • • •	•••••	25.5	753	
		16.3	25.1	2.6			27.7	766	
		17.6	32.8	3.8		• 1	36.7	823	
	• 1	13.8	20.6	9.7			30.3	832	
		15.6	7.7	8 • 8			16.5	828	
		17 • 2	4.2	8.7			12.9	830	
		13.4	7.0	3 • 6			1.D • 6	640	
		12.3	13.1	2.9			16.0	625	
	.0	14.9	16.5	5.5		• 0	22.0	6 <sub>0</sub> 97	

ATR WEATHER SERVICE/MAC

Ç

(

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURR USAFETAC FROM HOURLY OF

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

HOURS (LST)	TSTMS	RAIN E/OR DRIZZLE	FRZING RAIN &/OR DRIZZLE	SNOW &/OR SLEET	HAIL	% ( WIT PREC
50-02		15.2		. 2	• • • • • •	15
03-05	I	17.6		• 1		17
80-60		17.5		• 2		17
09-11	1.	16.5		• 2		1 t
12-14	I	16.7		• 2		16
15-17	I	16.7		• 1		10
18-26	I	15.9				1!
21-23	I	16.6				1
TOTALS		16.6	••••	.1	• • • • • •	1

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

HOURS	TSTMS	RAIN E/OR	FRZING RAIN	SNOW &/OR	% HAIL WI
(LST)	1	DRIZZLE	&/OR DRIZZLE	SLEET	PRE
			0.,12222		
00-05	1	14.1	. 1	1.4	1
03-05	I	16.2		2.4	1
U6~ <u>0</u> 8	1	20.1		2.6	2
69-11	1	18.1		2.0	1
12-14	1	15.6		1.1	1
15-17	1	17.7	-	1.6	1
18-20	1	15.7		1.7	1
21-23	1	16.3		1 • 5	1
TOTALS		16.8	•0	1.8	

## FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

RD UK,	<i>,</i>			MONTH:		·			
SNOR EZBR	HATL	% 08S WITH	FOG	SMOKE	8LOWING	DUST	% OBS	TOTAL	
EEŤ		PRECIP		HAZE	SNÓW	SAND	TO VISION	OBS	
.2	• • • • • • •	15.4	21.7	2.8	* * * * * * * * *	• • • • • •	24.5	811	
• 1		17.6	19.6	2.7	•		22.2	818	
• 2		17,5	22.6	3, 0			25.7	857	
• 2		16.6	21.1	6.1			27.3	8 8.g	
• 2	,	16.9	12.8	6.7			19.5	878	
. 1		16.8	12.2	7 . 2			19-3	088	
		15.9	13 2 5	4.4			17.9	704	
		16.6	16.4	2.2			18.7	579	
» l		16.7	17.5	4.4			21.9	6407	
an nk				MONTH:			,79-86		
NOW		% 0BS		SMOKE		DUST	% 08s	**********	
/OR EET		WITH PRECIP	FOG	E/OR HAZE	BLOWING SNOW	&/OR SAND		TOTAL OBS	
· · · · · · · · · · · · · · · · · · ·	• • • • • • •	15.4	17.8	3.6			21.4	775	
2 • 4		17.8	18.4	2.6			21.0	782	
2.4		17 · 8 22 · 1	18.4 18.5	2.6 3.3					
2.6							21.0	782	
		22.1	18.5	3.3			21.8	782 822	
2.0		22 • 1 19 • 6	18.5 20.2	3.3 4.9			21.8 21.8 25.1	782 822 841	
2.6 2.0 1.1 1.6		22 • 1 19 • 6 16 • 8	18.5 20.2 12.5	3.3 4.9 6.8			21.8 21.8 25.1 19.3	782 822 841 829	
2.0		22 • 1 19 • 6 16 • 8 19 • 2	18.5 20.2 12.5 12.1	3.3 4.9 6.8 8.3			21.8 21.8 25.1 19.3 20.4	782 822 841 829 818	

GLOBAL CLIMATOLOGY BRANCH USAFETAC À IR WEATHER SERVICE/MAC

PERSENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSER

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

				* * * * . * * * * * * *				
	FOLRS (LST)	1	TST#'S	KAIN 2/OR DRIZZLE	FRZING RAIN £/OR DRIZZLE	SNOW &/OR SLEET	PAIL	% OBS WITH PRECIP
JAN	ALL	1	.0	15.4	.0	4.0	.0	19.0
FEB		1		13.8	. 3	3.1	• Î	169
MAR		i	•0	18.5		1.7	• 0	19.8
APR		I	• 1	J1.1		1.0	•0	11.8
MAY		i	• ц	12.7			•0	12.7
NUC		1	• 5	9.2				9.2
JUL		į	1.0	7.2				7 • 2-
AUG	-	l	. 6	8.5				8.5
SEP		i	• 2	10.5				10.5
CCT		1	.0	14.9			•0	14.9
уои		1		16.6		. 1		16.7
DEC		l		1 û . æ	• 0	1.8		18.1
	TOTALS	ţ	• 2	12,4	٠0	1.0	• 0	13.8

\*

	O UK				PERIOD MONTH	OF RECORD	): 74-76	,79~87		
) U	SNOW E/OR LEET	₽AIL	% OBS WITH PRECIP	F <sub>0</sub> G		BLOWING SNOM	DUST &/OR SAND	% OBS W/OBST TO VISION	TOTAL OBS	) )
. 3	4,0	•0	19.0	17.3	3.0	.2	•••••	20.5	6125	
. 1	3.1	.1	16.9	21.1	15.4			36.5	5812	2
• 3	.1.7	• 0	19.8	15.9	9.1			24.0	6285	į
• 1	1.C	• 0	11.8	9 • 1	8.8			17.9	6167	j
, 7		•0	12.7	10.7	7.6			18.2	6306	ì
• 7			9.2	8.7	6.6			15.2	5585	Į)
- 8			7.2	8.8	7.4			16.2	5705	زر
• 4			8.5	11.4	8.6			20.0	5653	)
• 3			10.5	15.3	6.8			22.1	5621	)
• 5		•0	14.9	16.5	5.5		•0	22.0	6097	
• 5	. 1		16.7	17.5	4.4			21.9	6407	
• 6	1.8		18.1	16.6	4.2			20.8	6139	,
• ù	1.0	•0	13.8	14.0	7.3	.0	.0	21.3	71902	
J										• •

0

: )

()

 $\bigcirc$ 

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

U

PERCENTAGE OF DAYS WITH VARIOUS FROM DAILY OBSER

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

MONTH	TSTMS	RAIN &/OR DRIZZLE	FRZING RAIN &/OR DRIZZLE	SNOW &/OR SLEET	HAIL	% OBS WITH PRECIP
************	• • • • • • • • • •	••••••		• • • • • • • •		• • • • • • •
JAN	1 .6	59.6	1.7	22.6	1.3	69.9
FEB	.6	49.4	•2	21.3	. 4	62 • 1
MAR	1.3	60.4	•2	14.2	1.3	66 • 1
ÁPR	1 2.1	57.1		5•1	1.9	57•7
MAY	5.7	61.1		• 2	1.8	61.1
NUL	8.1	58.1			• 4	58 • 1
JUL	7.1	52 • 2			. 8	52 • 2
AUG	6.4	62.8				62.0
SEP	3.4	55.8			• 6	<b>55</b> • 5
OCT	1.6	63.3			1.0	63.3
NOV	.8	70.5	•2	4.3	• 6	71.5
DEC	1	69.4	•6	10.5		72 • 6
TOTALS	3.1	60.0	•2 •••••	6.5		62.7

PHOF DAYS WITH VARIOUS ATMUSPHERIC PHENOMENA FROM DAILY OBSERVATIONS

	RD UK				PERIOD MONTH	OF RECORD : ALL	: 52-55	, 58-64,	79-87		- 4
)6	SNOW &/OR LEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE &/OR HAZE	BLOWING Snow	DUST &/OR SAND	% OBS W/OBST TO VISION	TOTAL OBS	••••	
	22.6	1.3	69.9	62.1	54.6	1.1		77.0	535	••••	- Carlo
, 5	21.3	. 4	62.1	57.5	69.4	• 2		83.4	494		***
, 2	14.2	1.3	66.1	58.2	63.5			77.9	548		a.
. 9	5 • 1	1.9	57.7	51.9	62.4			73.5	532		Ĵ
.1	• 2	1.8	61.1	46 • 1	57.0			71.5	547		
. 3		• 4	58 • 1	46.3	60.8			72 • 8	492		\$
. 4		8.	52.2	46.4	53.9			67.2	521		1
. 4			62 • 0	52.4	57.4			71.1	519		- 1
• 3		• 6	55.5	57.3	54.7			69.2	5 <sub>0</sub> 3		)
.0		1.0	63.3	58.0	54.3			71.0	510		)
• 9	4.3	• 6	71.5	61.9	50.4			75.0	488		_
• 2	10.5		72.6	59.2	4.7 • 1	• 4		73.8	503		)
. 8	6.5	• 8	62.7	54.8	57.1	-1		73.6	6192		)
••	* * * * * * *	• • • • • •	• • • • • • • • •	• • • • • •	• • • • • • •	• • • • • • • • • •	• • • • • •	• • • • • • •	• • • • • • • •	• • • • •	

)

)

O

O

O

PPPPPPP AAAAA RRRRRRR TTTTTTT PPPPPPPPP AAAAAAA RRRRRRRR TITITIT' PP PΡ TT AA AA RR RR PP TT PP RR AA AA RR PPPPPPPPP AA AΑ RRRRRRRR TT RRRRRRR TT PPPPPPPP AAAAAAAA PΡ **AAAAAAAA** RR RR TT PP AA AA RR RR TT PΡ RR ΤŤ AA AA RR PΡ TT A A RR RR AΑ

T

1

\*\*

I

1

C

C

B - 1 - 1

BBBBBBBBB TITITITIT BBBB.BBBBBB RRITITITITI RRR вв BB TT RR вв вв TT BBBBBBBBBB RR TT RRR BBBBBBBBBB 77 RRВВ TT вв RR ВВ RR TT BBBBBBBBBB TT RR BBBBBBBBB TT RR

R - 1 - 1

 $\bigcirc$ 

#### PRECIPITATION, SNOWFALL AND SNOW DEPTH SUMMARIE

PERCENTAGE FREQUENCY OF VARIOUS DAILY AMOUNTS OF PRECIPITATION (SNOWFATHESE SUMMARIES DERIVE FROM SUMMARY OF DAY DATA.

DATA IS SUMMARIZED MONTPLY AND ANNUALLY WITH ALL YEARS COMBINED.

DISPLAYED ARE: PERCENT OF DAYS WITH MEASURABLE AMOUNTS, A PERCEN MEANS, GREATEST AMOUNTS AND LEAST AMOUNTS (THE STATISTICAL VALUES DEPTH SUMMARY BECAUSE OF THEIR DOUBTFUL AND LIMITED VALUE).

ALSO PROVIDED ARE THE OBSERVATION COUNTS.

A VALUE OF ".O" IN THESE TABLES INDICATES LESS THAN .O5% WHICH US

EXTREME DAILY AMOUNTS OF PRECIPITATION (SNOWFALL AND SNOW DEPTH) SUMMA

DATA DERIVED FROM SUMMARY OF DAY DATA

PRESENTED ARE THE EXTREME DAILY AMOUNTS OF PRECIPITATION, SNOWFAL ALSO PRESENTED ARE THE MEANS, STANDARD DEVIATIONS AND TOTAL OBSEF AN ASTERISK "\*" PRINTED IN THE TABLES INDICATES THAT THE EXTREME DERIVES FROM AN INCOMPLETE MONTH (AT LEAST ONE DAY OF THE MONTH)

WHEN A MONTH HAS VALID OBSERVATIONS REPORTED BUT NO OCCURRENCES,

EXTREME DAILY PRECIPITATION: ".OO" EQUALS NONE FOR THE EXTREME DAILY SNOWFALL: ".O" EQUALS NONE FOR THE

EXTREME DAILY SNOW DEPTH: "O" EQUALS NONE FOR THE

TOTAL MONTHLY AMOUNTS OF PRECIPITATION AND SNOWFALL SUMMARIES

DATA DERIVED FROM SUMMARY OF WAY DATA.

DATA PRESENTED BY YEAR AND MONTH.

ALSO PRESENTED ARE THE MEANS, STANDARD DEVIATIONS AND TOTAL OBSE

AN ASTERISK "\*" IN THE TABLES INDICATES THAT ONE OR MORE DAYS WE

NO OCCURRENCES FOR THE MONTH ARE INDICATED BY ZEROS.

IF THE AMOUNT IS A TRACE, THEN "TRACE" IS PRINTED IN THE TABLES.

STATISTICAL VALUES DO NOT INCLUDE MEASUREMENTS FROM INCOMPLETE M

AND SNOW DEPTH SUMMARIES STOF PRECIPITATION (SNOWFALL AND SNOW DEPTH) SUMMARIES: AY DATA. WITH ALL YEARS COMBINED. Y SURABLE AMOUNTS, A PERCENT OF DAYS WITH NO AMOUNTS, TRACES, GIVEN AMOUNTS, TS (THE STATISTICAL VALUES ARE NOT INCLUDED IN THE SNOW AND LIMITED VALUE). NE LESS 1HAN .05% WHICH USUALLY INDICATES ONLY ONE OCCURRENCE. ALL AND SNOW DEPTH) SUMMARIES NOF PRECIPITATION, SNOWFALL AND SNOW DEPTH BY INDIVIDUAL MONTH AND YEAR. EVIATIONS AND TOTAL OBSERVATIONS COUNTS. DICATES THAT THE EXTREME VALUE FOR THAT YEAR AND MONTH NST ONE DAY OF THE MONTH IS MISSING). RTED BUT NO OCCURRENCES, ZEROS ARE DISPLAYED IN THE TABLES: 4.00" EQUALS NONE FOR THE MONTH (HUNDREDTHS) **d.** 0 " EQUALS NONE FOR THE MONTH (TENTHS) b" EQUALS NONE FOR THE MONTH (WHOLE INCHES) OWFALL SUMMARIES EVIATIONS AND TOTAL OBSERVATION COUNTS. THAT ONE OR MORE DAYS WERE MISSING FOR THE MONTH. ED BY ZEROS. S PRINTED IN THE TABLES.  $\left( \right)$ EMENTS FROM INCOMPLETE MONTHS.

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC PERCENTAGE FREQUENCY OF OCCURRENCI FROM SUMMARY OF DAY

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				1	MOUNTS	S IN INC	CHES
MONTH	NONE	TRACE	.01	02 1 TO 1 .05	TOI	To	TO I	•51   70   1•00		I TO	5.01 70 10.0
JA N	29•5	23.4	7.5	1 12.1	8.4	11.0	6.4	1.3	4		
FE B	37.0	24.7	5.7	9.5	6.9	11.7	3.8	•6		!	1
MAR	34.1	19.7	5.1	13.7	8.8	11.1	5.8	1.5	•2	!	 
APR	41.9	18.2	5.5	11.1	7.7	11.1	1   3.8	1 .8	<u> </u>	!	!
HAY	38.8	16.6	6.0	13.5	6.4	10.4	6.2	1.8	•2	! !	1
JUN	40.7	20.5	6.9	9.1	7.7	6.3	5.1	3.0	.6	! !	
JUL	46.8	18.6	5,4	10.4	5•6	7•7	1 4.0	1 1.5	!	<u> </u>	! !
AUG	36.5	18.9	7.0	12.9	6.3	10.4	4.5	2.9	•6	!	!
SEP	42.9	13.6	5.7	111.9	7.1	9.9	4.9	1 3. <sub>0</sub>	1.0	! !	!
OC T	34.3	17.6	   5.5	114.5	7.8	11.6	4.9	3.5	•2	<u> </u>	! !
NO V	27.7	17.8	7.4	13.7	6.8	12.9	0.5	3.3	] 	1	!
DE C	26.3	21.7	5 • 4	16.1	6.4	14.3	6.6	3.2		1	     
ANN	36.4	19.3	6.1	112.4	7.2	10.7	5.5	12.2	3	1	

(

U

U

1

•

\*\*\*\*

C

## FREQUENCY OF OCCURRENCE OF PRECIPITATION FROM SUMMARY OF DAY DATA

-13	ORD	UK				PERIOD (	F RECORD	: 52-55	, 58-64	79-87	
1	A	MOUNTS	IN INC	HES				•••••	• • • • • • •		••••
<b>13</b> 1	10	TO	TO	TO	TO I		T DAYS!	TOTAL	MONT	LY AMOUI	NTS
)d	. 00 l	2.50	5.00	10.60	20.00	20.00	MEAS I		MEAN	GRE.ATES	T LEAST
1	3	•4	!		1		47.1	535 l	2.03	4.24	•58
	ا [ 6				! !		38.3	494	1.22	2.53	•11
<b>\</b> .	ا ا 5	•2			!		46.2	548]	.1.86	4.07	• 39
<b>\</b> .	8		ļ	1	!	i	39.8	532	1 • 44	3.79	•02
	8	•2	1	[			44.6	547	2.03	4.22	•46
₿.	.0	•6		1	1		38.8	492	1.89	4.49	•12
ļ.	5				1	İ	34.5	521	1.33	2.56	.07
ļ.	9	•6	1		!	!	44.5	512	1.98	4.37	•21
3.	ו ! o	1.0		!	<u> </u>		43.5	506	2.37	5.30	.18
3.	5	•2	1	!	1	1	48.0	510 l	2.18	4.42	1.00
3.	3 .	!	!				54.5	488	2.68	5.00	.77
3.	1 2   1	 	1	1 1	1		52 <b>.</b> 0	502	2,27	4 • 62	.49
ż:	2				· · · · · · · · · · · · · · · · · · ·	• • • • • • • •	44.3	6187	23.28		• • • • • •

)

O

O

O

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

(

1

(

(

(

(

(

FROM DAILY OBSERVATION

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

1					24	HOUR AM	OUNTS N-T-H-
YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL
52	• • • • • • • • •		• • • • • • • • •	• • • • • • •	•••••	*.85	•07
53	•20	• 45	.49	•43	• 43	•38	•54
54	• 36	• 43	•50	.17	.37	1.90	•57
55	• 35	• 32	• 4 3	.20	.81	•66	•11
58	<b>* • 26</b>	• 58	• 35	.14	• 36	.69	•27
59 [	.70	• 97	• 64	•77	•36	•43	•59
60	1.32	• 33	.76	•27	•56	1.81	.82
61	•50	• 68	e 13	÷57	.47	1.02	•38
62	•62	• 19	• 32	.28	.38	.05	.64
63	•45	• 10	.47	.28	•40	•72	.54
64	•13	• 16	•82	.43	•98		
79							
80	* • 45	<b>*•57</b>	*.59	*.35	*.15	*•76	<b>*.6</b> 9
81	<b>*.28</b>	*.34	•55	.42	*.47	•66	.37
82	*1.26	• 31	1.04	•37	.15	•78	.75
83	* • 34	• 22	.65	•37	1.23	•64	•48
84	•79	• 29	. 26	•02	•67	•46	.12
85	•47	• 32	• 25	.23	1.00	•70	•32
86 1	•43	• 10	.39	-14	.61	.18	•31
87	•29	.46	• 48	.92	•32	• • • •	
4 4 4 4 4 4 4 4 4 4 4 4 4							
MEAN !	508	• 313	•502	• 354	•569	•739	. 430
S.D.	.307	. 175	•228	.230	•296	• <sup>5</sup> 13	• 224
TOTAL OBS	535	494	548	532	547	492	521
			5 1 0	332	341	7/6	22.1

NOTE \* (BASED ON LESS

RD	ыK
	1,,,,

PERIOD OF RECORD: 52-55, 58-64, 79-87

24	HOUR AM	N_T -H-S						ALL
MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MONTHS
	*.85	.07	*1.03	•25	1.17	.51	.45	
•43	•38	•54	•88	• 75	.80	.28	• 14	. 88
.37	1.90 .66	•57 •11	•70 •40	•35 *•57	. 28	•62	.61	1.90
-36	•69	•27	•21	•57	, 46	• 6 Ž	• 5 4	. 69
•36	.43	•59	1.04	•18	•53	•43	.67	1.04
•56	1.81	•82	•66	•67	•62	.74	•72 •98	1.81
.47 .38	1.02 .05	•38 •64	•40 1•78	•52 •51	•67 •28	•22 •29	•98 •82	1.02 1.78
•4B	•72	.54	•52	.43	.53	1.00	.31	1.00
•98				*•10	*.80	*.48	*.92	
*•15	*.76	* •69	*•69	*1.56	*1.00	*.81	*•35	*1.56
* • 47	•66	.37	•85	1.37	•70	•42	*.81	1.37
.15	<b>.</b> 78	.75	•27	1.67	•52	-67	<b>*.</b> 58	1.67
1.23	.64	•48	.11	•75	.45	•69	.43	1.23
•67	•46	•12	•29	1.10	.24	•65	.24	1.10
1.00	.70	•32	.71	•22	.81	.31	<b>*.</b> 89	1.00
.61	.18	•31	.97	•91	•69	•57	*.26	• 97
•32								
-569	•73ģ	430	.653	.683	.583	.535	.537	1.316
.296	.513	. 224	•425	.429	.242	.212	.255	• 431
547	492	521	512	506	510	488	502	6187

FUTE \* (BASED ON LESS THAN FULL MONTHS)

J

Ĺ

j

\_,

)

\_)

`)

}

1

`

j

C.

0

O

(

€

(

**(** 

(

(

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

** * * * * * * * * * * *	• • • • • • • • •			• • • • • • • •	• • • • • • •	• • • • • • •	• • • • •
					TOTAL	YJHTNCM	PRECIP
	1					-M-	0_N_T -
YEAR	I JAN	FEB	MAR	APR	MAY	JUN	J
		• • • • • • •		• • • • • • •		• • • • • • •	
52	ļ					*.97	•
53	.58	1.39	1.28	1.79	1.73	1.51	2 •
54	1.21	2.20	1.82	•32	1.63	449	1.
55	1.68	1.73	1.33	•65	3.95	2.54	
58	* • 96	1.97	.94	.48	1.19	1.87	1 .
59	4.24	• 11	1.99	2.12	1.37	1.57	
60	3.35	2.08	1.27	.77	1.48	2.99	2.
61	3.36	2.53	•39	3.79	1.01		
62	3.42	• 45	1.01	1.80	2.14	•12	
63	-97	• 41	3.56	2.02	1.65	2.53	
64	.64	.71	3.10	2.22	2.91		
79	İ						
80	*1.80	*2.42	<b>*3</b> •65	*.74	*.46	*4.28	*2•
81	*1.14	<b>*•7</b> 8	4.07	1.06	*2.97		
82	*2.64	1.39	3.40	1.03	•72		
83	<b>*2.07</b>	.64	1.67	2.12	4.22	•92	1.
84	3.08	1.28	1.24	•02	1.88	1.27	
85	1.59	• 82	1.79	1.02	3.35	2.91	1 •
86	1.66	• 30	1.37	1.30	2.07	•54	
87	.64	1.49	1.44	2.00	1.15		
			• • • • • • • •	•••••			• • • • •
MEAN	2.632	1.219	1.863	1.442	2.028	1.889	1.3
S . D .	1.279	.751	1.038	926	1.046		. 7
TOTAL OBS	535	494	548	532	547	492	
•• • • • • • • • •				• • • • • • •			

NOTE \* (BASED ON LE

IRFORD UK

PERIOD OF RECORD:	52-55,	58-64,	79-87
-------------------	--------	--------	-------

TO TAL M	ONTHLY PR	PECTPITA	TTON TN	**************************************	• • • • • • • •	• • • • • • • •	• • • • • • •	* * * * * * * * * * * * * * * * * * * *
TOTAL I	-M-0.	N-T-H-S	-	INCHES				ALL
MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MONTHS
• • • • • • • •	• • • • • • • • •		• • • • • • •	• • • • • • • •	• • • • • • • •	• • • • • • • •	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • •
	*•97	•07	*4.37	.80	3.38	3 • Q 6	2.02	
1.73	1.51	2.52	3.15	2.50	2.73	1.15	• 49	20.82
1.63	4.49	1.60	2 • 4 5	2.09	1.77	3.86	1.63	25.07
3.95	2.54	•17	.54	*.79				
1.19	1.87	1.20	•90	2.21	1.97	1.87	2.16	*17.72
1.37	1.57	1.76	3.02	.18	1.78	2.67	4.62	25.43
1.48	2.99	2.56	2.62	3.47	4.42	5.00	3.54	33.55
1.01	1.23	1.73	1.78	2.23	2.34	•77	3.97	25.13
2.14	•12	1.71	4.19	2.76	1.00	1.75	2.38	22.73
1.65	2.53	1.80	2.27	1.72	1.80	4.94	• 7.6	24.43
2.91								
				* - 44	*2.06	*2.42	*4.52	
*.46	*4.28	*2.13	*1.72	<b>*3.</b> 05	*2.71	*1.77	*1.77	<b>*26.50</b>
*2.97	.87	1.14	1.07	5.30	2.77	1.49	*2.46	*25.12
•72	2.98	1.19	1.12	4.52	3.33	3,98	*2.78	*29 • B8
4.22	•92	1.50	•21	3.21	1.15	1.41	1.73	*2'Q_85
1.88	1.27	•36	1.20	3.11	1.34	3.88	1.64	20.30
3.35	2.91	1.08	2 • 67	.41	1.18	1.01	*2.89	*20.72
2.07	•54	•93	2.52	1.09	1.77	3.41	*1.70	*18.66
1.15					•			
			• • • • • • •			• • • • • • •	• • • • • • • •	
2.028	1.889	1.333	1.981	2.373	2.182	ʕ683	2.267	24.683
1.046	1.166	.726	1.115	1.442	.975	1.440	1.291	4.098
547	492	521	512	5 0 6	510	488	502	6187
	• • • • • • • •							

i)

(T)

1)

NOTE \* (BASED ON LESS THAN FULL MONTHS).

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE FROM SUMMARY OF DAY D

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

STRILLE NORDER: USDANU STRILLE NAME: RAF FAIRFURD UN														
	AMOUNTS IN INCHES													
MONTH	NONE	   TRACE   	0.1 70 0.4	0.5 T <sub>0</sub>	Tol	T0		TO	6.5     TO     10.4	1 <sub>0.</sub> 5   T0   15.4	15.5   TO   25.4			
JAN	   77•1	   14.7.  	2.6	   3.2	•9  	.7	.2	• 2	   •2	•2				
FEB	78.9	14.8	2 • 4	2.4	•6	• 8					1	ļ		
MAR	85.9	11.7	1.1	1.3		, i					)   			
APR	95•1	4.1		! ! •6		 	•2	[ [ 1				 		
MAY	99.8	•2		!			:   			! 		1		
JUN	100.0			: :		 	: 	: 	: 	!   		1		
JUL	100.0	<u>;</u> ;					!    -	!   !	! !	;   	,    -	ĺ		
AUG	100.0			! !			]    -	 	<u>;</u>	! 	• [			
SEP	100.0			1			! { !	[ ] ]	! !	!   	!   			
OC T	100.0			!			1	)   		;   	İ			
NO V	95.5	3.5	•6	.4			; [	; [		!   !	i 			
ÐEC	89.6	6 • 8	1.6	.8	.4		.2	i   •4 	.2					
ANN	93.5	4.6	7	1 .7	2	.1	i	1 0	1 .0	.0		i		

(

•

(

### REQUENCY OF OCCURRENCE OF SNOWFALL FROM SUMMARY OF DAY DATA

₹D	UK				PERIOD (	F RECORE	): 52 <b>-</b> 55	, 58-64	, 79-87				
	AMOUNTS IN INCHES												
5   3				25 • 5 T 0	OVER	* DAYS	TOTAL	MONT	HLY AMO	UNTS .			
4	10.4	15.4	25.4	50.4	50.4	MEAS   AMTS		MEAN	GREATE	ST LEAST			
	• • • • •		• • • • • • •	• • • • • •	• • • • • • •	•••••	•••••	• • • • • •	• • • • • •	• • • • • • •			
2	•2	•2				8•2	537	3 • 5	16.6	TRACE			
1						6.3	494	1.7	6.7	• 0			
						2.4	548	. 4	2.0	• 0			
						.8	532	. 4	4.5	•0			
ļ					! ! !		547	TRACE	TRACE	• 0			
]					; [		492	•0	•0	• 0			
					• •		521	• 0	•0	•0			
ļ					:   		520	• 0	•0	•0			
					<u> </u>		515	•0	•0	• 0			
İ					1 1 1	† †	510	•0	•0	• 0			
	   		1 1 1		5 1 5	1.0	488	• 2	1.6	• 0			
, 4	•2				1 1	3.6	5 <sub>0</sub> 2	2 • 1	14.2	•0			
ļ			• • • • • •			• • • • • • •	· · · · · · ·	• • • • • •	• • • • • •	• • • • • • •			
.0	•0	.0	1	Ì	1	1.9	6206	8.3	,				

×\*\*

j

)

Ĭ

`

ز

\_)

,

, `)

• }

)

.)

)

 $\mathcal{C}$ 

( )

O

O

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

 $\leftarrow$ 

EXTREME VALUES OF SNOWFALL (FROM DAILY OBSERVATIONS)

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

**		• • • • • • • •	• • • • • • • •	• • • • • • •	24	HOUR AM	OUNTS IN
YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL
52 53 54 55 58 59 60 61 62 63	TRACE 3.7 3.1 1.2 1.3 6.6 8 1.0 3.0	1.3 TRACE 2.5 1.4 .0 2.5 .0	.0 1.0 .7 TRACE .0 .3 .0 TRACE TRACE	TRACE .0 .0 .5 .0 .0 .0 TRACE	.0 .0 TRACE .0 .0	*•0 •0 •0 •0 •0 •0 •0	.0 .0 .0 .0 .0 .0
64 79 80 81 82 83 84 85 86 87	1.5   *1.3   *.2   *12.0   *TRACE   TRACE   2.5   .2	**************************************	*.1 TRACE TRACE TRACE TRACE 1.0 TRACE 1.2	**************************************	*•0 *•0 •0 •0 •0	*.0 .0 .0 .0	*•0 •0 •0 •0 •0
MEAN S.D. TOTAL OBS	1,95 1,791 537	.86 .973 494	.31 .463 548	.29 .867 532	TRACE • 000 547	.00 .000 492	•00 •000 521

NOTE \* (BASED ON LESS TH

Ŧ	DE	0	D	n :	U	•
1	RΓ	v	ĸι	•	u	n.

PERIOD OF RECORD: 52-55, 58-64, 79-87

(

)

\_)

5)

)

24 HOUR AMOUNTS IN INCHES -M-O-N-T-H-S- HAY JUN JUL AUG SEP OCT NOV DEC MONTHS  **0	24	HOUR AM	OUNTS TN	INCHE	• • • • • • •	• • • • • •	• • • • • • • •	• • • • • • • •	• • • • • • • • • • • • • •
#AY JUN JUL AUG SEP OCT NOV DEC MONTHS  ****O				-143					ALL
.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
.0		*•0	•0	0	.0	•0	1.7	1.0	• • • • • • • • • • • • • •
TRACE .0 .0 .0 .0 .0 .0 TRACE .2 3.7  TRACE .0 .0 .0 .0 ****  .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 11.4  .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 13.3  .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .2 6.6  .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 5.0 5.0		• 0	• 0	• 0	• 0	• 0			1 • 3
.0	• 0	• 0	• 0	• 0	•0	•0	TRACE	• 2	
.0		• 0	٠Û	• D	*•D				
.0			• 0	• 0	•0	•0	• 0	• 0	1.4
.0 .0 .0 .0 .0 .0 .0 .0 .0 .5 .0 5.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .	• 0	• 0	• 0	•0	• 0	•0	• 0	• Ò	
.0 .0 .0 .0 .0 .0 .0 .0 .0 .5 .0 5.0 5.0				•0	•0	•0	• 0	• 2	6 • 6
.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .		• 0	• 8	• 0	• 0	•0			
**0	• 0	• 0	• 0	• 0	• 0	• 0	• 5	9 • 0	
**0	•0	• 0	• 0	• 0	٠٥	•0	• 0	TRACE	3.0
**0 **0 **0 **0 **0 **0 **0 *TRACE *TRACE *1.3  **0 *0 *0 *0 *0 *0 *0 *0 *0 *4.5 *4.5  *C *0 *0 *0 *0 *0 *0 *0 *0 *7RACE *12.0  *0 *0 *0 *0 *0 *0 *0 *0 *0 *7RACE *12.0  *0 *0 *0 *0 *0 *0 *0 *0 *0 *7RACE *12.0  ***O ***O ***O ***O ***O ***O ***O **	• 0						_	•	
**0					*•0	* • O	*.0	*TRACE	
**C				*.0		*•0	*TRACE	*TRACE	*1.3
.0 .0 .0 .0 .0 .0 .0 .0 .0 .3 1.5 .0 .0 .0 .0 .0 .0 .0 .0 TRACE TRACE .0 .0 .0 .0 .0 .0 .0 TRACE *.0 2.5 .0 .0 .0 .0 .0 .0 .0 .0 *.0 1.0 .0  TRACE .00 .00 .00 .00 .00 .00 .12 1.43 3.48 .000 .000 .000 .000 .000 .351 2.911 2.931	_		• 0	• 0		• 0	•0	*4.5	*4.5
.0 .0 .0 .0 .0 .0 .0 .0 TRACE TRACE .0 .0 .0 .0 .0 .0 .0 TRACE *.0 2.5 .0 .0 .0 .0 .0 .0 .0 .0 *.0 1.0 .0  TRACE .00 .00 .00 .00 .00 .12 1.43 3.48 .000 .000 .000 .000 .000 .351 2.911 2.931			• 0	• 0	• 0	• 0	• 0	*TRACE	*12.0
TRACE .00 .00 .00 .00 .00 .00 .00 .12 1.43 3.48 .000 .000 .000 .000 .000 .351 2.911 2.931							• 0	. 3	1.5
TRACE .00 .00 .00 .00 .00 .00 .12 1.43 3.48 .000 .000 .000 .000 .000 .351 2.911 2.931	• 0					• D			
TRACE .00 .00 .00 .00 .00 .12 1.43 3.48 .000 .000 .000 .000 .000 .351 2.911 2.931			• 0	• 0	• 0	• 0	TRACE	*•0	2.5
TRACE .00 .00 .00 .00 .00 .12 1.43 3.48 .000 .000 .000 .000 .000 .351 2.911 2.931		• 0	• 0	• 0	• 0	• 0	• 0	*•O	1.0
•000 •000 •000 •000 •000 •351 2•911 2•931	•0								
•000 •000 •000 •000 •000 •351 2•911 2•931	TRACE	•00	•00	•00	•00	•00	.12	1.43	3.48
	.000	•000							_ 🗸 -
	547	492	521	520	515				

NOTE \* (BASED ON LESS THAN FULL MONTHS)

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

C

(

(

MONTHLY SNOWFALL (FROM DAILY OBSERVATIONS)

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

*******		• • • • • • •	• • • • • • •	• • • • • • • •	••• • • • • • •		
YEA <sub>R</sub>	I I Jan	FEB	MAR	400		-M-0-	SNOWFAL
· CAR	I OMIY	FEB	PAR	APR	MAY	JUN	JUL
52			•••••	• • • • • • •	••••••	*•0	•0
53	TRACE	2 • 3	• 0	TRACE	• 0	• 0	•0
54	4.4	TRACE	1.0	• 0	•0	•0	•0
55	9.0	6.7	1.2	•0	TRACE	•0	•0
58	2.2	3.8	TRACE	• 5	•0	•0	
59	3.1	•0	• 0	•0	•0	•0	• 0 • 0
60	9.4	6.3	• 3	•0	•0	•0	• 0
61	.8	•0	• 0	•0	• 0	•0	• 0
62	1.0	•2	TRACE	TRACE	•0	•0	•0
63	8.8	3.2	TRACE	TRACE		•0	•0
64	1.8	TRACE	2.0	TRACE	• 0	• 0	• u
79			2.0		• 0		
80	*2.3	<b>*•</b> 0	*.1	<b>*•</b> 0	*• O	*•O	*•0
81	* • 2	*2.5	TRACE	4.5	*•0	•0	•0
82	*16.6	• 4	TRACE	• D	• 0	•0	•0
83	*TR ACE	1.7	TRACE	TRACE	• 0	• 0	•0
84	TRACE	TRACE	TRACE	TRACE	• 0	•0	•0
85	5.0	2.5	1.6	TRACE	• 0	•0	• 0
86	• 2	•5	TRACE	1.0	•0	.0	•0
87	2.9	TRACE	1.5	• 0	• 0		••
MEAN	3.47	1.73	• 45	•35	TRACE	•00	••••••
S.D.	3.399	2.259	.704		• 000		•00
TOTAL OBS I	537	494	548	1 • 10 1 532	547	•000 492	•000 521
						_	<b>5-</b> -

NOTE + (BASED ON LESS TI

RD	UK		

PERIOD	0F	RECORD:	52-55,	58-64,	79-87
--------	----	---------	--------	--------	-------

)

 $\mathbf{C}^{i}$ 

()

O

M A Y	NUL	N-T-H-S- JUL	AUG	SEP	ОСТ	NOV	DEC	ALL Months
••••	*•0	•0	Ö	•0	•0	1.6	1.0	• • • • • • • • • • • • • •
• 0	• 0	• 0	• 0	• 0	•0	• 0	• 0	2.3
• 0	• 0	• 0	• 0	• 0	• 0	TRACE	• 2	5 • 6
CE	• 0	• 0	• 0	* • D		*		
.0	• 0	• 0	• 0	•0	• 0	• 0	• 0	6.5
• 0	• 0	• 0	• 0	• 0	•0	• 0	• O	3.1
• 0	• 0	• 0	• 0	•0	•0	• 0	• 2	16.2
• 0	• 0	• 0	• 0	• 0	• 0	• 0	7.3	8.1
• 0	• 0	• 0	• 0	• 0	• 0	• 8	14.2	16.2
• 0	• 0	• 0	•.3	•0	•0	• 0	TRACE	12.0
• 0						_	•	
				*•0	<b>*•</b> 0	*•0	*TRACE	
k • O	* • O	*•O	*•0	*•0	<b>*•</b> 0	*TRACE	*TRACE	*2.4
· • 0	• 0	• 0	• 0	• 0	•0	• 0	*8.3	*15.5
• 0	• 0	• 0	•0	• 0	• 0	• 0	*TRACE	*17.0
• 0	• 0	• 0	• 0	• 0	• 0	• 0	. 4	*2.1
• 0	• 0	• 0	• 0	•0	• O	• 0	TRACE	TRACE
• 0	• 0	• 0	• 0	• 0	• 0	TRACE	<b>* •</b> ()	*9.1
•0	•0	• 0	• D	• 0	•0	• 0	*•0	*1.7
• 0								
CE	•00	•00	•00	•00	.00	.16	2.12	7.78
000	.000	.000	.000	•000	• 000	.448	4.548	5.901
547	492	521	520	515	510	488	502	6206

<sup>\* (</sup>BASED ON LESS THAN FULL MONTHS)

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

(

 $\mathbf{C}$ 

PERCENTAGE FREQUENCY OF OCCURRENC FROM SUMMARY OF DAY

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

STAIL	DA NUMBI	CRE USE	1440 3	HALLU	IN INAL			AL UND	ON		
		• • • • • •	• • • • • •	• • • •					HOUNTS	IN INC	HE'S
!			l		ı	4	7	13	25	37	49
	l	1 1	!	!	1	TO	TO 1	TO	TO	TO	TO
MONTH	NONE	TRACE	1	2	3	6	12	24	36	48	60
		1 '1			ı					i	i
* * * * * * * * * * *		• • • • • • • • • • • • • • • • • • •				• • • •				1	 I
JAN	76.4	8 - 4	246	2.4	1.3	5.6	2.2	1.1			
	1										
FEB	81.6	9.7	4.5	2.0	2.0	•2			]	1	!
	!	1								ļ	!
MAR	97.3	2.4	•4							} 8	<u> </u>
APR	! ! o		•2							i İ	i I
AFR	99+8	<u> </u>		; ]		) 				i	i
MA Y	100.0							İ	İ	Ī	j
•	1	i i							ĺ	1	l
JUN	100.0	1					į	ļ	!		
44.1			] F					  -	[ ;	! }	į L
JUL	100.0	1	l :		j :	l L	) 1	i I	/ i	1	!
AυG	100.0	1	,	) 	; [	L		! !	i	; 	i
700	i	i .			j		İ	İ	İ		İ
SEP	1100.0	Ì		ľ	1	l	1	i	ı	1	!
	1	I	1	i	1	!		İ	!	<u>!</u>	ļ.
OCT	100.0	1	!	ļ	!	į	!	1	!	!	i 1
	99.4	4	<u> </u>	† 1	.2	i L	} <del> </del>	l !	<u> </u>	] 	} [
NOA	1 77•4 1		} {	6 1	1 • 2	! !	i I	: }	1	i	i
DEC	91.0	3.8	2.6	. 4	.4	1.4	i	.4	i	i	İ
	1	i			l	1	1	1	l	1	l
• • • • • • • •	• • • • • •	• • • • •	•••••	• • • •	• • • • •	• • • • •	• • • • •	• • • • •	• • • • •	•••••	• • • • •
ANN	95.5	2.1	9	. 4	1 .3	. 6	1 .2	1 .1	1	1	i

• •	uĸ				PERIOD (	OF RECORD	52-55	5, 58-64, 79-87
20	AMOUNT: 1 25 1 10 1 36	37		61   TO   120	0VER	WITH     MEAS	TOTAL!	
	• • • • • •			 		AMTS		MEAN GREATEST LEAST
1	. [	[ [				15.3	537	
}	1					8.7	494	
	İ					•4	548	
	1	<u>.</u> !				•2	532	
į	1	] 	] 				547	
							492	
							521	
							520	
							515      510	
į						•2	488	
. 4	1					5•2	502	
•	1	i i			i			
\ \lambda						2.5	6206	

j

)

~)

()

 $\bigcirc$ 

0

(

(

(

C

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

••••••				• • • • • • •	• • • • • • •		
ŧ					Ų	AILY SNO	W DEPTH
YEAR I	JAN	FEB	MAR	APR	MAY	JUN	JUL
52		• • • • • • • •		• • • • • • •	• • • • • • •	*0	0
53	TRACE	1	O	0	0	0	0
54	4	2	σ	0	Ō	0	0
55 I	5	4	TRACE	0	0	0	0
58	2	1	TRACE	n	0	0	0
59	1	O	0	0	0	0	0 0
60	6	0 3	0	0	0	0	
61	TRACE	0	0	Ö	0	0	0
62	5	TRACE	TRACE	0	0	0	0
63	18	3	TRACE	0	0	0	0
64	0	0	0	0	0		
79							_
80	*2	*0	* O	*0	*0	*0	*0
81	<b>*</b> 0	*TRACE	0	1	*0	0	0
82	*17	0	0	0	0	0	0
83	*TRACE	Ō	0	0	0	0	0
84	TRACE	Ō	0	0	0	0	0
85	3	3	1		0	0	0
86	TRACE	1 0	0	0	0	U	U
87 J	2	ນ	1	0	0		
45.0		•••••		* * * * * * * * * * * * * * * * * * * *	.0	۵	.0
MEAN	3.3	1.1	•1 •332	•1 •242	• 000	•000	.000
S.D.	4 • 746		548	532	• 000 547	492	521
TOTAL OBS	537	494	278	334	347	774	52.1
	• • • • • • • • •	•••••	•••••		•••••	• • • • • • • •	

NOTE \* (BASED ON LESS

FORD UK

PERIOD OF RECORD: 52-55, 58-64, 79-87

VCH	DA	ILY SNOW	DEPTH I N-T-H-S-	N INCHES	••••••	••••••	•••••	• • • • • • •	ALL	• •
4UG	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MONTHS	
0		*0	0	0	0	0	3	3	• • • • • • • • • • • •	• •
0	0	0	0	0	ŏ	0	0	ū	1	
0	0	0	0	0	0	0	0	TRACE	4	
0	0	0	0	0	<b>*</b> 0		J	,		
000000	. 0	0	0	0	0	n	0	0	2	
0	O	0	0	0	0	0 0	0	0	1	
	. •	0	0	0	0	0	0	0	6	
0	_	0	0	0	0	0 0	D	5	5	
0	0	0	0	0	0	Ð	0	13	13	
0	0	0	0	۵	0	0	0	0	18	
1	0									
					*0	*0	<b>*</b> 0	<b>*</b> 0		
*0	*0	*0	*0	*0	*0	* <u>0</u>	*0	<b>*</b> 0	<b>*</b> 2	
0	*0	0	0	O	0	0	0	<b>*</b> 5	<b>*</b> 5	
0	0	0	0	0	a	0	0	*0	*17	
0	0	0	0	۵	0	G	0	TRACE	TRACE	
0	0 0	0	0	0	0	0	0	0	TRACE	
- 1	0	0	0 0	0	0	0	0	*0	3	
0	0	U	U	0	0	0	0	*0	1	
	U									
00 20	• 000 547	.00 .000 492	.0 .000 521	.000 .000 520	.0 .000 515	.0 .000 510	•2 •775 488	1.9 4.636 502	5.6 6.106 6206	•

FUNOTE \* (BASED ON LESS THAN FULL MONTHS)

)

١

---

)

1

ز

)

``

)

.

Ó

~)

1)

 $\bigcirc$ 

 $\langle \rangle$ 

 $\bigcirc$ 

9999 9999	P	•	A A A A A A A	R RRR	RRRR RRRRR	11	000 0000	CCC .
PP	PP	A A	AA	RR	RR	TT	CC	CC
' PP	PP	A A	AA	RR	RR	ŤŤ	CC	
PPPP	PPPP	AA	AA	R RRR	RRRRR	TT	CC	
PPPP	PPPP	AAAA	AAAAA	R RRR	RRRR	TT	CC	
, PP		A A A A A	AAAA	RR	RR	ΤŢ	CC	
; PP		AA	AA	RR	RR	ΤΤ	CC	CC
pР		AA	AA	RR	RR	TT	CCCC	CCCC
ipp		A A	AA	RR	RR	TT	ccc	ccc

#### SURFACE WIND SUMMARIES

#### EXTREME VALUES OF PEAK WINDS

DATA DERIVED FROM SUMMARY OF DAY DATA.

VALUES PRESENTED BY INDIVIDUAL MONTH AND YEAR WITH ALL YEARS CO

SPEEDS PRESENTED IN KNOTS.

DIRECTIONS PRESENTED IN 16 COMPASS POINTS FROM BEGINNING OF PER COMMENCING JULY 1968 DIRECTIONS PRESENTED IN TENS OF DEGREES.

AN ASTERISK "\*" IN THE TABLES INDICATES THAT THE VALUE IS BASED MISSING DAYS.

MEANS AND STANDARD DEVIATIONS PRESENTED DO NOT INCLUDE INCOMPLE COMPUTE THESE STATISTICS AND INCOMPLETE MONTHS ARE NOT INCLUDED

TABLES ALSO INCLUDE THE OBSERVATION COUNTS.

### BIVARIATE PERCENTAGE FREQUENCY TABULATIONS OF SURFACE WINDS

DATA DERIVED FROM HOURLY DATA.

(

(

PRESENTED ARE THE PERCENTAGE FREQUENCY OF WIND DIRECTION TO 16 VERSUS WIND SPEED IN KNOTS IN INCREMENTS OF BEAUFORT CLASSIFICA

PERCENTAGES ARE SHOWN BY BOTH DIRECTIONS AND SPEED, AND IN ADDIFOR EACH DIRECTION.

DATA PRESENTED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MON

A SEPARATE ANNUAL TABLE PRESENTS THE SAME BIVARIATE DISTRIBUTION LINITATIONS: WHEN VISIBILITIS EQUAL TO OR GREATER THAN 1/2 MILE THE CEILING IS EQUAL TO OR GREATER THAN 200 FEET, THE VISIBILITY

A PERCENTAGE VALUE OF ".O" IN THESE TABLES INDICATES ONE OR MOF

RIES

D. YEAR WITH ALL YEARS COMBINED.

F RE FROM BEGINNING OF PERIOD OF RECORD THROUGH JUNE 1968. IN TENS OF DEGREES.

N IN HAT THE VALUE IS BASED ON AN INCOMPLETE MONTH OF THREE OR MORE

O NOT INCLUDE INCOMPLETE MONTHS. FOUR OR MORE MONTHS ARE NEEDED TO ONTHS ARE NOT INCLUDED.

Ş.

SURFACE WINDS

SS P
WIND DIRECTION TO 16 COMPASS POINTS, CALM AND VARIABLE
OF BEAUFORT CLASSIFICATIONS.

THE AND SPEED, AND IN ADDITION THE MEAN WIND SPEED IN GIVEN

AND
1E GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED)..

THE CE BIVARIATE DISTRIBUTIONS WITH IMPOSED CEILING/VISIBILITY
ARE 10R GREATER THAN 1/2 MILES, THE CEILINGS ARE 200 TO 1400 FEET AND/OR WHEN
200 FEET, THE VISIBILITIES ARE 1/2 THROUGH 2 1/2 MILES.

CURRE ES INDICATES ONE OR MORE OCCURRENCES AMOUNTING TO LESS THAN .05%.

GLOBAL CLIMATOLOGY BRANCH USAFETAC AÎR WEATHER SERVICE/MAC

\_

(

(

(

C

TREME VALUES OF SURFACE WIN

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

********	* * * * * * * *			• • • • • •				
		•				D	AILY PEA	K GUSTS II
	1							-N-T-H-S-
YEAR	I JA	NI F	EB !	MARI	APRI	MAY		
				*:• • • • •		***		
58	1	! N *	*36   E	*301 WM	W 321	SSW 331	SE 331	w 32  i
59	1	i	1	i	1		SSE*31	
60	WNW 3	9 SW	35 W	30 WS	W 39	ENE 30		W 33
61	1 WSW 4	3   Su +	48 WSW		-	WS W 30	•	S 29 1
62	. J	2   ₩	42   WSW	-	•	W 321		
63			27   SW	461 5			WSW 341	
64		O WSW	•	27 I S		W 381	<b>454</b> 341	3 2311
79	1	i	1	- 1		# 30 i		
80	1 18* 4	8 24*	39   23*	52 36	14 201	7 w 7/1	23* 34	7.4 -01
81					/ 35		-	31* 28 1
82	1	7 19/	•	•		20 / 33	20/ 341	20/ 32  2
83	• .			-	38	31/ 36	23/ 35	3/ 28 2
84					/ 37	24/ 33[	28/ 27	30/ 24
85					1/ 29	35 / 28		21/ 28  3
		-			/ 38	•	24/ 30	25/ 39 2
86	27/4	-			/ 35	24/ 41	21/ 37	31/ 31 2
87	1 3/3	41 23/	32   25/	631 7	7 301	28/ 32	1	1
********	• • • • • • •	• • • • • •	••••••			• • • • • • •	• • • • • • •	• • • • • • • •
MEAN	43.			1.81	34.3	32.5	31.21	30.11
S.D.	9.67	•	12 1 12.		.838.;	3.886	4.614	3.919
TOTAL OBS	I 38	2   3	65	4181	4121	4231	373	3971

NOTES \* (BASED ON LESS THAN FULL MONTHS)

S (BASED ON LESS THAN FULL MONTHS AND

) ;

)

)

 $\odot$ 

O

S THAN FULL MONTHS )

USAFETAC

GLOBAL CLIMATCLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF S FROM HOURLY

AIR WEATHER SERVICE/MAC

()

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION   (PEGREES)	1-3		7-10		17-21		
N	1.3	1.9	1.3	. 9	. 3	•••••	
NNE	1.5	• 9	. 4	, 1.2	• 1	• 1	
NE	.5	2 • 1	• 7	1.2	• 4		
E NE	. 4	• 7	1.2	• 3	• 5		
٤	.5	• 5	.7	• 8	• 4		
C SE	• 3	• 3	. 4				
SE [	.5	• 1	. 1	. 3			
SSE	• 3	• 3	. 1	• 5	• 1	• 4	,
s	1.6	1.3	1.7	2.3	1.2	. 4	
k22	1 • 1	2.0	2.3	2.5	1.6	. 8	•
Sw	1.5	4 . C	4.8	3.3	• 9	. 4	
wsw	1.2	2.5	4.3	3.9	1.1	•9	
ti l	1 • 3	1.7	2.7	4.7	• 5	1.1	
นเน	• 1	1.2	• 5	• 7		• 1	
NW	.7	• 5	.5	. 4			
NNJ	. 5	• 7	•5	• 8			
VARIABLE	•	• • • • • •	•••••			.1	
CALM [	//////////	1111111	///////	//////////	//////////	11/1///	111111
TOTALS	13.3	20.7	22.2	23.7	7.2	4.4	•

TOTAL NUMBER OF OBSERVATIONS: 752

# UENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

	17-21	Sp 6 L D	IN KNOTS 28-33	34-40	41-47	48-55	GE 56	TCTAL %	MEAN WIND	
,	.3	• • • • • •		• • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	5.7	7.0	• • • •
	• 1	• 1						4.3	7.2	•
	٠ 4							4.9	8.4	•
	• 5							3 • 1	8.5	
	. 4							2.9	9.7	
								• 9	6.1	
								ì.1	5.8	
	• 1	. 4						1.7	12.6	
	1.2	. 4						8.5	10 • 3	
	1.6	. 8	. 1					10.4	11.6	
	• 9	• 4						14.9	9 • 2	
	1 • 1	• 9						13.8	10.4	
	• 5	1.1						12.9	11.1	
		• 1						2.7	8.1	
								2.1	5,9	
								2.5	7.7	
	• • • • • • • • •		• • • • • • •	• • • • • •	• • • • • • •	• • • • • • • •		• • • • • • • • • • • • • • • • • • • •	25.0	••••
ŗ	//////////		11111111	///////	////////	·/////////////////////////////////////	////////	_	111111	
	7.2	ц.ц	. 1					100.0	8.8	

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF USAFETAC FROM HOURLY FROM HOURLY

AIR WEATHER SERVICE/MAC

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

• • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • •		• • • • • • • •	• • • • • • • • • • • • • • • • • • • •		· · · · · · · · · · · · · · · · · · ·	• • • •
DIRECTION (DEGR <sub>E</sub> S)	J			11-16	17-21	D SPEED IN 22-27 28	KNC 3-33
И		1.1		. 8		• 3	• • •
NNE	1.1	1.2	1.3	8 %			
НE	.9	1.3	1.3	1.3	.1		
ENE	• 3	1.5	.7		• 7		
Ĺ	.7	1.5	1.1	• 5	. 4		
FSE	! ! .1	• 1					
SE	   	. 3	•3	• 1	• 3		
SSE	• 3	• 4	•5	• 4	• 3		
S	.9	• 5	1.9	. 8	1.6	• 1	
SSW	1 1.6	2 • 2	2.6	3.8	• 9	1.1	
ક્ય	1   1.6	2 • 6	4.5	2.6	1.3	• 3	
พรน	1.3	2 • 5	4.6	4.8	1.5	• 5	
¥	.9	1.1	2.6	3.4	• 5	• 4	
หมพ	.5	. 9	•8	1.2	• 5		
nw .	•3	9 •	.8	. 3	•1		
NNH	1 1 1	• 4	•8	• 5			
VARIABLE	 	• • • • • • •	.1		• • • • • •	• • • • • • • • •	•••
CALM		////////	11111111	'/////////	///////	///////////////////////////////////////	///
TOTALS	12.3		25.7	21.8	8.5	2.6	• • •

TOTAL NUMBER OF OBSERVATIONS: 756

C

1

{

C

## FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

CE RV

ì			IRF	ORD					MONTH:	JAN	RD: 75- HOURS(LS)	r): 0300-0	)5 OO	
	1 – :		• • •		WIND 21	22- <sub>2</sub> 7	IN KNOT: 28-33	S 34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND	• • •
	•	• •	 8	• • • •	.3	.3	• • • • • • •	• • • • • •		• • • • • • • •		5.6	7.9	• • •
	•	•	8									4.4	6.9	
	,	1.	3		• 1							5.0	7.7	
					• 7							3.0	8.7	
		•	5		. 4							4 • 1	7.5	
	,											• 3	3.0	
			1		• 3							• 9	10.0	
	•	•	t <u>i</u>		. 3							1.9	9 • 1	-
	•	•	g		1.6	•1						5 . 8	10.8	
		₹.	٤		. 9	1.1						12.3	10 • 4	
	•	2.	É		1.3	• 3	• 1					13.1	9,6	
	i	4.	8		1.5	• 5						15.2	10.5	
		3.	4		• 5	• 4	• 3					9.3	11 • 2	
		1.	2		• 5							4.0	9 • 8	
	•	•	3		• 1							2.2	7.8	
	í	•	5									2.0	8.5	
'/	<u>;</u> •	••	• • •	• • •	• • • • •	• • • • • •	•••••	• • • • • • •	1	• • • • • • • •	• • • • • • • •	• 8	14.7	• • • •
	1			111	1111	(1)1111	 	//////	111111111	/////////	//////////	10.2	114111	
•	2	1.	8		8.5		. 4		1			100.0	8.6	
		• •	• • •	• • •	• • • •	• • • • • • •	• • • • • • • •	• • • • • •	• • • • • • • •	• • • • • • • •	• • • • • • • •	• • • • • • • •	• • • • • • • •	• • • •

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF USAFETAC FROM HOURL'

AIR WEATHER SERVICE/MAC

(

C

(\_

ĺ

(

ť

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • •	• • • • • • •	• • • • • • •		• • • • • • • • •	D SPEED IN KN
DIRECTION (DEGREES)	1-3	ıt -9	7-10	11-16	17-21	
N	1.5	. 7	1.8	. 5	• • • • • • •	•1
NNE	1.1	1 • 3	1.3	• 7	• 2	
NE	1.1	1.6	2.1	• a		
ENE	.4	1.2	•2	. 4	• 5	
E	.6	1.1	•5	. 2	• 4	
E SE	.3	• 2	•2	• 1		
SE	1   !	• 1	•1	. 1	• 2	
SSE	.1	. 1	.1	. 4	• 5	-
S	1.0	1.0	1.6	1.0	• 9	• 2
SSW	1.1	1.5	2.8	3 • 1	1 • 1	• 4
SW	1.3	3 • 2	3.8	5.4	1.1	• 5
WSW	1 1 1.6	2 • 6	3.8	4.4	1.1	1.6
ผ	.7	2 • p	3.4	2 • 6	• 7	• 2
ងពង	.9	• 5	. 4	. 4	• 2	. 1
NV .	• 2	۴ ۾	1.1	• 1		
NNV	; 1 1	• 5	• 9	. 5	• 1	
VARIABLE	: • • • • • • • • • • • • • • • • • • •		2	2	1	
CALM	   <i>                                  </i>	1//////////////////////////////////////	////////	111111111	11111111	11111111111111
TOTALS	   12.6 	19•€	24.5	21.0	7.2	3.2

TOTAL NUMBER OF OBSERVATIONS: 815

RC	UK					1	PERI MON	OD O T⊭:	F REC	ORD:	: OURS	75- (LST	76,80-87 ): 0600-	0800	l	
7-		ND SPEE 22- <sub>2</sub> 7		KNOTS 8-33	34-4	10	41-	• • • • 4 7	48-5	55	GE	•••• 56	TOTAL		AN ND	• • • •
• •		• • • • • •	1	• • • • •	• • • • •	• • • •	• • • •	• • • •	• • • •	• • • •	• • • •	• • • •	4.7	• • • •	6.7	, • • • •
; }	• 2												4 28		7.1	
													5.6		6.8	
•	• 5												2.7		8.6	
•	. 4												2.8		7.5	
i													1.1		5.2	
1	• 2												• 6		12.0	
į	• 5												1.2		13.1	
}	• 9	•	2										5.6	:	10.0	
	1.1	•	4										9.9	•	10.6	
;	1.1	•	5	. 2		. 1							16.2	;	10.2	
	1.1	1.	6	. 2									15.3	:	11 • 3	
	. 7		2										10.6		9.5	
	• 2	•	1										2.5		8.1	
i													2.0		6.9	
	. 1												2.0		9.3	
•	• 1	••••	a • • •	••••	• • • •	• • • •	• • • •		• • • •		• • • •	• • • •	•6	•.• • •	12.4	••••
1/1	////	1111111	1///	/////	1111.	////	////	////	////	1111	////	////	11.8	//	////	
	7.2	3 .	. 2	• 5		. 1							100.0		8.4	
	• • • •	4	• • • •	• • • • •	••••	• • • •		• • • •	• • • •	• • • •	• • • •	• • • •	•••••	• • • •	• • • • •	••••

USAFETAC

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF FROM HOURLY

AIR WEATHER SERVICE/MAC

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION (DEGR <sub>E</sub> ES)	   1-3 	4 6	7-10	11-16		SPEED 22-27	
N	1.3	. 8	2.3	. 4	.2	• • • • • • •	•••••
MNE	1 1 1	1.3	1.1	1.1	• 4		
NE	.7	1 • 7	1.7	1.0	. 1		
E NE	.3	1 • 1	• 6	. 4	• 1	• 4	
E	.7	1.3	.8		• 5	• 1	
E SE	. 1	. 2	•2	• 1			
SE	• 1	• 1	• 7	. 4	. 4		
SSE	.5	. 4	• 7	• 1	. 1	•1	
s	1 • 2	1.0	1.9	2.1	. 7	.6	
SSW	.7	1 • 4	2.1	2.7	. 8	1.3	
Siw	1.5	2.1	2.6	5.7	1.3		
KSW	1.5	2.1	2.7	5.7	1.8	1.3	•
W	1 • 2	1.0	2.3	4.0	1.9	• 2	•
7. V.M	.8	• 4	1.2	1.1		•2	
NW	.6	• 8	1.0	• 2	• 1		
หหม	• 1	• 6	•6	. 5			
VARIABLE	   • • • • • • • • •   			4	• • • • • • •	• • • • • • •	••••
CVTW	///////////////////////////////////////	7///////	////////	///////////////////////////////////////	///////////////////////////////////////	////////	111111
TOTALS	13.1	16.3	22.5	25.8	8.5	3.9	•
• • • • • • • • • • • • •	! ' • • • • • • • • •		• • • • • • •			• • • • • • •	••••

TOTAL NUMBER OF OBSERVATIONS: 840

I

1

T

Ĺ

1

## UENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

		22- <sub>2</sub> 7	IN KNOTS 28-33		41-47	48-55	GE 56	TOTAL	MEAN WIND	
4	•2		•••••	• • • • • •		• • • • • • •		5.0	7.2	• • •
1	. 4							4.9	7.8	
9	.1							5.1	7.7	
4	.1	. 4						3.3	8.4	
	• 5	• 1						3 • 5	7.7	
ì								. 7	7.0	
4	. 4							1.7	11.8	
1	• 1	• 1						1.9	8.0	
1	• 7	.6						7.5	10.7	
7	.8	1.3						8 • 8	11.5	
7	1.3							13.3	10.0	
7	1.8	1.3	. 1	• 2				15.6	12.1	
Ç.	1.9	•5	. 4					11.0	12.1	
1		•2						3.7	9 • 1	
2	• 1							2.7	6,6	
Ë								1.8	7.8	
• • • 4	• • • • • • • •	• • • • • •	•••••	• • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	4	13.3	• • •
///	////////	(11111	////////	11:11111	11111111	11111111	///////	9.2	111111	
3	8.5	3.9	• 5	• 2				100.0	9 • 1	

AIR WEATHER SERVICE/MAC

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF USAFETAC FROM HOURLY FROM HOURLY

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

• • • • • • • • • • • • •	• • • • • • • •	• • • • • • •			u T Ni	D SPEED	 TN KNO
DIRECTION   (DEGR <sub>EE</sub> S)	1-3	4 -6	7-10	11-16	17-21		
N	.5	1.6	2.8	1.7	• • • • • • • •		• • • • • • • • • • • • • • • • • • • •
NNE !	.6	1 • 4	1.6	1.3			
ne I	1.0	1 • 7	1.1	1.0	. 4		
ENE	1.0	• 7	1.2	• 5	• 1	• 2	
E.	٥.	• 8	• 5	• 4		• 4	
ESE	• 1	• 8	.6				
se	• 1	• 5	•2	• 4		• 4	
sse	• 1	• 8	.5	. 7			
S	• 2	1.1	•6	2.9	. 7	. 8	
SSW	.7	1 • 4	2.5	3.1	• 4	. 7	
SW	1.2	1.0	1.3	5.3	1.8	• 6	•
wsw	.8	1.4	3.5	5 • 5	4.1	1.4	
W	• 2	8 •	2.5	4.1	2.9	1.3	•
иим	.5	٠ 4	.6	1.6	1.0	• 4	
NW	.5	• 5	.6	1 • O	. 4	. 1	
MNN	!   !	• 8	1.3	1.2		•	
VARIABLE	: • • • • • • • • • • • • • • • • • • •	• • • • • •	1	8	.1		• • • • • •
CALM	!   <i>   </i>	1//////	////////	///////////////////////////////////////	(1)1/1/1/	////////	(111111
TOTALS	8.1	15 • 8	21.4	31.3	11.7	6.3	•

TOTAL NUMBER OF OBSERVATIONS: 835

## UENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

17			IN KNOTS 28-33	34-40	41-47	48-55	GE	56	TOTAL %	ME A N
• •	• • • • • •	• • • • • •	• • • • • • • •	• • • • • •	• • • • • • •	• • • • • • • •	• • • • •	• • • •	6.5	8.4
									4.9	7.8
	• 4								5.0	7.6
	• 1	• 2							3.7	8.2
		• 4							2.6	8.4
									1.6	6.0
		• 4							1.6	11.2
									2.2	8.5
	. 7	.8							6.3	13.1
	• 4	• 7							8.9	10.7
	1.8	• 6	• 1						11.3	12.6
	4 • 1	1.4							16.8	13.3
	2.9	1.3	. 4						12.2	14.6
	1.0	• 4							4.3	12.8
	. 4	• 1							3.0	9.6
		,							3 • 4	9.3
• • •		• • • • • •	• • • • • • • • •	• • • • • •	• • • • • • •		• • • • •	• • • •	1.1	13.9
,,,		//////	(11111111	1111111	////////	1//////////////////////////////////////	/////	///	4.8	111111
									,,,,	, , , , , ,

()

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE FROM HO

STATION NUMBER: 036440 STATION NAME: RAF FATRFORD UK

• • • • • • • • • • • • • • • •			• • • • • • •			• • • • • • • • • • •
DIRECTION ( (DEGRE <sub>E</sub> S)	1-3	4 -6	7-10	11-16		D SPEED IN 22-27 21
N	1.7	1.2	1.7	1.1	.1	* * * * * * * * * * *
NNE	1.3	1.1	1.3	. 8	• 1	
NE	1 • 1	1.5	1.1	. 7	• 2	
FNE	.7	1.1	• 7	. 6	• 4	•2
E	.3	1.3	. 4	٠ 4		•1
ESE	. 4	• 1	•5	• 1	• 1	
SE	.6	• 5	. 4	. 8		• 1
SSE	. 4	. 4	1.6	• 5	• 1	
S	.5	1.3	1.7	1.9	• 2	• 1
SSW	.7	1.3	1 • 3	3.1	. 4	•6
รพ	1 • 1	1.2	2.9	3.9	1.5	1.9
w sw	1.2	1.7	3.5	8.1	1.6	1.1
W	. 7	1.2	2.7	4 • 5	2.1	1.1
ty NW	.4	. 1	• 7	1 • 2	. 1	
NV	. 7	• 5	1.1	. 8	. 1	
WMM	.2	1.0	3.0	1.1		
VARIABLE	, , , , , , , , , , , , , , , , , , , ,		• • • • • • •	.6	• • • • • • •	•••••
CALM	,   , , , , , , , , , , , , , , , , , ,	////////	/////////	///////////////////////////////////////	11111111	7//////////////////////////////////////
TOTALS	12.6	15.5	23.9	30.4	7.0	4.4

TOTAL NUMBER OF OBSERVATIONS: 827

# REQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS BSE

PERIOD OF RECORD: 75-76,80-87 A IRFORD UK MONTH: JAN HOURS(LST): 1500-1700 WIND SPEED IN KNOTS 17-21 22-27 28-33 34-40 41-47 48-55 GE 56 TOTAL 34 5.8 4.7 . 3 • 1 6.8 4.6 7.2 .7 .2 • 4 3.7 8.9 • 2 • 6 3.0 6.2 . 4 • 1 . 1 • 1 1.2 7.4 2.4 8.2 . 8 • 1 2.3 8.7 . 5 . 1 • 2 . 1 5.8 9.4 1.9 . 4 3.1 • 6 7.5 11.0 1.5 1.9 11.5 3.9 11.9 1.6 1.1 17.3 12.0 8.1 • 1 4.5 2.1 1.1 12.3 . 1 • 1 2.5 1.2 10.2 . 1 3.4 8.9 . 8 . 1 1.1 5.3 8.5 13.8 5.9 ///// 111 15.4 7.0 4.4 .2 .1 100.0 9.5

USAFETAC AIR WEATHER SERVICE/MAC

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SI FROM HOURLY

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION (DEGREES)	l l 1-3	4-6	7-10	11-16	w I N 17-21		IN KNOT: 28-33
N	2.0	2.0	2.1	1.0	.1		• • • • • • •
NNE	.9	2.1	• 4	2.1	• 1		
NE	1 • 1	1.0	• 9	. 7	.1		
ENE	1.0	1.1	•6	• 7	• 6		
£	1.0	. 4	• 9	• 6			
ESE	.1	• 3	. 4	• 3	. 1		
SE	.6	. 3	• 4	• 6			
SSE	.6	• 6	• 6	. 4			
S	1.0	1.0	1.6	2.4	. 3		
SSV	1.0	2.0	1.9	2 • 3	• 6	1.0	
SW	1.4	3.2	5.2	3.2	1.1	• 3	
WSW	.9	1.4	3.7	5 • 2	1.6	• 7	• 6
**	.7	1 • 3	2.9	2.6	• 6	1.0	
MMM	.4	• 1	. 4	• 1	• 3	• 1	
NW	.6	1.0	1.0	1.1	. 1		
N#W	۰. ا	. 9	1.4	1.0			
VARIABLE	· • • • • • • • • • • • • • • • • • • •			. 1		• • • • • •	
CALM	ı [ <i>///////////</i>	/////////	11111111	11/1/1/11	////////	///////	///////////////////////////////////////
TOTALS	14.2	18 • 8	24.4	24.5	5.7	3.2	• 6

TOTAL NUM ER OF OBSERVATIONS: 698

1

## OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

	22-27	IN KNOTS 28-33		41-47	48-55	GE 56	TOTAL	MEAN WIND
1	• • • • • •		• • • • • •	• • • • • • • •	• • • • • • • •		7.3	6,6
1							5.7	8.2
1							3.9	6.7
6							4.0	8.4
					·		2.9	6 . 6
1							1.3	9.6
		,					1.9	7.7
					•		2.1	7.0
3			,		•		6.3	9.1
6	1.0						8.7	10.6
1	• 3						14.3	9.2
6	• 7	• 6					14.0	12.5
6	1.0						9.0	11.1
3	• 1						1.6	10.8
. 1							3.9	8.3
					-		4.2	7,5
• • •	ś • • • • • •	•••••						13.0
///	//////	::::::::::::::::::::::::::::::::::::::	1111111	////////	///////	////////	8.7	/////
7	3.2	. 6					100.0	8.5

()

USAFETAC AIR WEATHER SERVICE/MAC

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE O FROM HOUR

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

••••••	· • • • • • • • • • • • • • • • • • • •		• • • • • • •	• • • • • • •	wINE	SPEED IN	Ki
DIRECTION (DEGREES)	1-3	4 -6	7-10	11-16		22-27 28	
N	2,3	1.5	1.7	1.7	• 5		• •
∜:NE	1 • 2	1.0	1.2	1.7	•2	•2	
NE	1 • 2	1.7	• 7	. 7	.2		
ENE	.8	1.3	1.5	• 3	•2		
Ε		• 7	1.0	. 7	•2		
ESE	1.0		• 2	. 2			
SE	. 5			. 8			
SSE	• 2		• 3	. 2	. 3	• 2	
S	• ::	1.3	2.0	3.0	. 7		
SSW	1.5	1.8	2.3	2.5	1.0	• 3	
SW	2.0	3 • €	4.2	3.7	.7	•5	
พรพ	. 8	1.8	3.3	4.7	1.3	1.3	
w	.7	2.0	1.7	2.0	. 7	• 3	
unw	.5	• 3	• 3	. 5	. 8		,
114	1.0	• 8	.8	1.0			
NNW	1.0	• 7	2.0	. 3			
VARIABLE	` '	• • • • • • •	.2			• • • • • • • • •	••••
CALG	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	////////	(1//////	· · / / / / / / / / / / / / / / / / / /	11111111	///////////////////////////////////////	1111
TOTALS	15.3	18.5	23.3	23.8	6.7	2.8	
• • • • • • • • • • • • • • • • • • • •							

TOTAL NUMBER OF OBSERVATIONS: 650

FA SE

6			IN KNOTS 28-33 3	4-40 41-47		GE 56	TOTAL	MEAN WIND
. 7		• • • • • •	• • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •	•••••		8.2	7.5
	• 2	•2					5.3	8.8
. 7	• 2						4.3	-6 • 6
• 3	• 2						4.2	7.0
• 7	• 2						2.5	9 • 2
• 2							1.3	3.9
• <sup>23</sup>							1.3	10.0
. 2	. 3	•2		•			1.2	12.7
. c	. 7						7.2	10.8
• 5	1.0	• 3					9.5	9 • 3
. 7	• 7	•5					14.5	8.8
. 7	1.3	1.3					13.3	12.0
٠ ٥	• 7	• 3					7 • 3	10.0
. 5	• 8						2.5	11.1
. t							3.7	7.1
• 3							4.0	6 • 3
• • • •	• • • • • • • •		• • • • • • • • •	••••••		••••••	•2	7.0
////	//////////	//////	91111111111	///////////////////////////////////////	/////////	1111111	9.5	111111
• 8	6.7	2.8					100.0	8.3

)

Ì

)

 $\cdot$ 

)

)

USAFETAC AIR WEATHER SERVICE/MAC

(

C

f,

(

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF FROM HOURL

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION     (DEGR <sub>E</sub> ES)	1-3	4 -6	7-16	11-16	WIN	D SPEED IN 22- <sub>2</sub> 7 2	
N	1,5	1.3	1.9	1.0	. 2	•0	•••
NNE	1 • 1	1 • 3	1.1	1.2	• 1	.₽ C	
NE ,	. 9	1 • 6	1.2	. 9	•2		
ENE	, 7	1.1	• 8	• 4	• 4	• 1	
E {	.6	1.0	• 7	. 4	• 2	• 1	
E SE	. 3	• 3	. 3	. 1	• 0		
SE	• 3	• 2	• 3	٠ 4	• 1	• 1	
SSE	• 3	. 4	• 5	• 4	•2	• 1	
s	. 8	1.1	1.6	2.0	• 3	• 3	
SSW	1.9	1.7	2.2	2.9	• 8	• 7	
Sw	1.5	2 • 5	3.6	4.2	1.2	• 4	
WSW	1.2	2.0	3.7	5.3	1.8	1.1	
Vi	.8	1.5	2.6	3.5	1.3	• 7	
WNW	.5	• 5	.6	. 9	• 4	• 1	
ns	.6	• 7	• 9	. 6	• 1	• 0	
len w	.3	• 7	1.3	. 8	.0		
VARIABLE	 		.1		.0	•0	<b>) + 6</b> 1
CALM	////////////////////////////////////	///////	////////	//////////	1//////////////////////////////////////	///////////////////////////////////////	1111
TOTALS	12.6	17 • 8	23.5	25.4	7.9	3:• 9	

wIND	SPEED IM	KNOTS			JAN		ST): ALI	L	• • • •
	22-27 2		4-40	41-47	48-55	GE 56	TOTAL %	ME AN WIND	
. 2	.0	******	• • • • •				6.0	7.3	, • • •
• 1	•0						4.9	7.5	
• 2							4.9	7.4	
. 4	• 1						3.4	8.3	
. 2	• 1						3.1	7.7	
• 0							1.0	6.4	
• 1	• 1						1.4	9.4	
• 2	•1						1.8	9.5	
. 3	• 3						6.6	10.6	
. 8	• 7	• 0					9.5	10.7	
• 2	• 4	•1	.0				13.6	10.2	
• 8	1.1	• 1	•0				15.3	11.8	
. 3	• 7	• 1	•0				10.6	11.8	
• 4	• 1						3.0	10.1	
• 1	• 0	• 0					2.8	7.8	
.0							3.1	8.1	
	•0	•••••	.0	• • • • • •	• • • • • • • •		••••••••••••••••••••••••••••••••••••••	13.8	• • • •
					!!!!!!!!!	·////////		/////	
• 9	3.9	. 4	• 1				100.0	9.1	
					•••••				
	, , , , , , , , , , , , , , , , , , , ,								

ر.

USAFETAC

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF FROM HOURI

AIR WEATHER SERVICE/MAC

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

	• • • • • • • • •			• • • • • • • • •	• • • • • • • •	* * * * * * * * * * * * *
DIRECTION (DEGR <sub>EES)</sub>	l 1 1-3	4-6	7-10	11-16		SPÉED IN K! 22-27 28-
N	1.5	3 • 3	2.9	2.2	.4	• • • • • • • • • •
TINE	1.9	3.1	3.8	1.9		
NE	2.3	5 • 5	6.0	2.7	• 3	
ENE	1.1	1.2	3.4	2.6	. 3	•1
ε	.5	2.2	1.8	1 • 4		
ESE .	.3	• 7	. 3	. 5		
SE	! ! !	• 7	•1	. 3		
SSE	.1	• 5	. 1	• 5		
S	.7	1.0	1.5	1.9	• 3	
SSW	• 3	1.1	1.5	1.4	• 5	•1
SW	.5	1.4	2.0	1.2	• 3	• 3
WSW	.9	1.2	1.5	1.2	• 3	1.5
. W	.5	1.2	• 7	1.0	• 1	• 5
иии	.5	• 3	. 3	. 3		
NW	. 3	. 1		. 3		
NNW	• 3	8 •	. 1	• 1	• 3	
VARIABLE	   • , , , , , e c e e e e   	• • • • • •	•••••	• • • • • • • • •	• • • • • •	• • • • • • • • • • •
CALM	///////////////////////////////////////	///////	/////////	///////////	////////	11111111111
TOTALS	11.7	24.3	26.1	19.5	2.7	2.6

TOTAL NUMBER OF OBSERVATIONS: 733

1\_

<b>)</b> ик		PERIOD OF RECORDS MONTH: FEB HO	OURS(LST): 0000-	-0200
	SPEED IN KNOTS			
21	22- <sub>2</sub> 7 28-33		GE 56 TOTAL	MEAN Wind
. 4	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •	10.2	7.8
			10.8	7.3
• 3			16.8	7.3
• 3	• 1		8.7	8 • 8
			5.9	7.5
			1.8	6.9
			1.1	7.1
	•		1.4	8.1
• 3			5 • 3	9.9
• 5	• 1		4.9	10 • 3
• 3	• 3		5.7	9.3
• 3	1.5		6.5	12.0
• 1	• 5		4 • 1	10 • 1
			1 • 4	5 , 8
			• 7	7.4
• 3			1.6	8.0
• • • • • •	• • • • • • • • • • • • • • • •	· · · · · · · · · · · · · · · · · · ·		
111111		M. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	7///// 13.1	111111
2.7	2.6		100.0	7.4
• • • • •	• • • • • • • • • • • • • • • •			••••••
		•		

j

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SU FROM HOURLY O

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

• • • • • • • • • • • • •			•••••		• • • • • • • • •		
DIRECTION (DEGREES)	1-3	4 -6	7-10	11-16	17-21		IN KNOTS 28-33
N	1,4	2 • 3	4.2	1.6	. 4	• • • • • •	• • • • • • • •
NNE	2.2	3 • 7	1.6	2.8			
NE	2.7	4.2	4.9	3.0			
ENE	1 • 4	2 • 6	3.8	2 • 4	• 3	•3	
ε	.8	1.5	2.7	• 3			
ESE	. 4	. 4	.8				
SE	.8	• 1	• 5				
SSE	. 4	• 4	1.2	. 5			
S	• 3	• 5	1.2	1.1	• 5		
SSW	.8	1.5	1.5	• 9	• 3		
SW	1.1	1 • 4	1.5	1.2	• 4	• 1	
WSW	• 6	1.1	1.1	1.6	• 5	• 9	
W	1.4	• 9	• 7	. 8	<b>.</b> 5	• 1	• 1
หหม	• 3		. 1	۶٠		• 3	
1114	• 1		.3		• 1		
พทห	. 4	٠, 6	•1	. 1	• 3		
VARIABLE	• • • • • • •		••••		• • • • • • •	• • • • • •	
CVFM	1111111111	1111111	////////	!!!!!!!!	///////////////////////////////////////	1111111	111111
TOTALS	15.3	_	26.3	17.8	3.4	1.8	•

RD UK			PERIOD MONTH:	OF RECOR	D: HOURS(	75-	76,80-87 1: 0300-	<b>0500</b>	
* * * * * * * * * * * * * * * * * * *	SPEED IN	* * * * * * * * * * * * * * * * * * *	• • • • • • • •	• • • • • • •	• • • • •	• • •	•/• • • • • •	• • • • • • • •	• • • •
		8-33 34-40	41-47	48-55	GE 5	6	TOTAL *	MEAN WIND	
. 4	• • • • • • •	* * * * * * * * * * * *	• • • • • • • •	• • • • • • •	•••••	• • •	9.9	8,1	• • • •
							10.3	7 • 1	
							14.8	7.3	
• 3	• 3						10.7	8.1	
							5.3	6.7	
							1.6	6.7	
							1.5	4.9	
							2.6	8.1	
• \$							3.7	10 • 3	
• 3							5.0	7.8	
• 4	• 1						5.7	8.6	`
•5	•9						6.2	11.5	1
• 5	•1	• 1					4.6	9 • 1	
	3						1.5	13.5	
• 1							•5	9.3	
• 3							1.9	7.1	ï
* * * * * * * *	• • • • • • •	••••••	• • • • • • • •	• • • • • • •	•••••	• • •	. 4	13.7	
11111111	11111111	///////////////////////////////////////	7////////	////////	/////	///	13.7	/////	
3 • 4	1.8	• 1					100.0	7.1	
• • • • • • •	• • • • • • •	••••••	• • • • • • • •	• • • • • • • •		• • •	• • • • • • •	• • • • • • •	

AIR WEATHER SERVICE/MAC

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE O
USAFETAC
FROM HOUR

• • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • •		•••••	• • • • • • • •	• • • • • • • • • • • • • • • • • • •	D SPEED IN K
DIRECTION (DEGREES)	1-3	4 -ó	7-10	11-16		22- <sub>2</sub> 7 28-
N	.5	2.6	3.8	1.7	.6	• • • • • • • • • • • •
NNE	1.3	2 • 2	2.5	2.3		
NE	2.3	4.• g	5.2	4.0	. 1	
ENE	1.4	2 • 8	3.9	1,7	• 3	
τ	2.2	1.3	1.9	. 8		
E SE	.4	• 5	•5	. 4		
SE	.1		• 4			
SSE	.6	• 1	• 8	1.2		
S	. 4	• 8	2.2	1.3	• 1	
SSW	1.0	• 6	1 • 4	<b>.</b> 6	• 6	
SW	1.0	1.0	1.0	1.2	• 1	• 3
WSW	6.	1.3	2 • 1	1.8	. 4	• 5
W	1.2	1.0	1.0	1.2	• 3	• 3
WNW	.4	. 3		• 1		• 3
ИН	• 3	• 6	٠ 4	• 1	• 1	• 1
МИМ	.4	• 6	• 1	• 3	. 1	•1
VARIABLE	· • • • • • • • • • • • • • • • • • • •	• • • • • •	•••••	, . ц	• • • • • • •	
CALM	-   <i>                                    </i>	////////	1111111	///////////////////////////////////////	11111111	1/11/1/1/1/1/1/
TOTALS	14.2	20.7	27.2	19.0	2.8	1 • 6
	, , , , , , , , , , , , , , , , , , , ,					

TOTAL NUMBER OF OBSERVATIONS: 772

(]

#### FROM POURLY OBSERVATIONS WERSUS WIND SPEED

	17-	-21		IN KNOTS 28-33	34-40	41-47	48-55	GE 56	TOTAL %	ME A N W I N D	
7		• 6	• • • • • •		• • • • • •	• • • • • • •		•••••	9.2	8.9	• • • •
3									8.3	7.9	
0		. 1							16.5	7.7	
7		• 3							10.1	7.4	
٤									6.2	6 • 1	
ц									1.8	7.0	
									•\$	7.5	
2									2.7	88	
7		. 1							4.8	9 • 1	
l,		• 6							4.4	8.5	
2		. 1	. 3						4.7	8.8	
2		. 4	• 5						6.7	10 • 1	
2		• 3	• 3						4.9	8.5	
1			. 3						1.0	10 • 3	
1		• 1	• 1						1.7	8.6	
7		• 1	• 1	• 1					1 • 8	10 • 2	
۲. • •	• • • •				• • • • • •	••••	• • • • • • •			18.0	• • • •
//	1111	/////	7/////	11/1/////	///////	11111111	///////	////////	14.1	/////	
Û		2.8	1.6	. 3					100.0	7.1	

()

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF USAFETAC FROM HOUDL FROM HOURL

AIR WEATHER SERVICE/MAC

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

• • • • • • • • • • • • • • • • • • • •	••••••		• • • • • • •	• • • • • • • •	• • • • • • • •	• • • • • • • • • • • •
DIRECTION (DEGREES)	l l 1-3	4 -6	7-10	11-16	WI <sub>N</sub> 0 17-21	) SPEED IN KN 22-27 28-3
N	1 4	2.3	3.7	1.5	1.0	.1
NNE	.5	1.8	2.6	1.4	• 1	
NE	1.9	4 • 1	5.3	5.5	1.2	
ENE	1.5	3 • 1	4 • 1	3.4	• 6	
. ε	1.7	1.0	3 • 2	1.7		
ESE	.3	. 5	1.0	• 5		
SE	.5	. 3	.8	• 1		
SSE	.4	• 5	•1	1.3	• 1	• 1
S	.4	1.0	1.5	1.9	• 3	
SSW	•1	• 8	1.7	2.1	• 5	
SW	1.0	1.0	1.0	1.3		• 3
k SW	.6	1.2	1.3	3.2	. 6	•5
W	.1	• 6	• 9	1 • 4	• 5	• 1
r nn	.3	• 1	• 4	. 1	• 1	• 3
NW	.5	• 5	•1			
NNW	,   	• 5	• 5	• 1	• 1	• 3
VARIABLE	` `	• • • • • • •	•••••	• 1		•••••
CALM	1//////////////////////////////////////	11/1/1/1/	////////	//////////	(1///////	///////////////////////////////////////
TOTALS	10.3	19 • 5	28.4	25.8	5 • 5	1.7
• • • • • • • • • • • •				• • • • • • •		• • • • • • • • •

TOTAL NUMBER OF OBSERVATIONS: 776

(

(].

ENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

	7-21		8-33 34-4	•			*	WIND
• •		••••••		* * * * * * * * * *	• • • • • • • •	• • • • • • • •	9.1	9.5
	. 1						6.4	8 • 3
	1.2						18.0	9.0
	•6						12.8	8.2
							7.6	7.4
							2.3	7.8
							1.7	6 • 3
	. 1	• 1					2.6	10.7
	. 3						5.2	9.5
	• 5						5.2	11.1
		• 3				•	4.6	8.2
	• 6	• 5					7.5	11.•5
	• 5	•1					3.7	11.5
	• 1	• 3					1.3	12.3
			• 1				1.3	6.6
	• 1	• 3					1.5	11.0
	.3	• • • • • • • •	****	• • • • • • • • •	• • • • • • •		. 4	
1/1	7//////	//////////	11111111111	1111111111	11111111	///////	8.8	111111
• •	5.5	1.7	• 1				100.0	8.4

USAFETAC AIR WEATHER SERVICE/MAC

(

(

(

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SUF FROM HOURLY OF

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

gainst the second of the secon

• • • • • • • • • • • • •				• • • • • • •			
DIRECTION (DEGREES)				-	17-21	D SPEED IN KN 22-27 28-3	
N			3.2		1.4	• • • • • • • • • • •	•••
NNE	• 1	• 6	2.6	2 • 3	• 3	•1	
NE	• 5	2 • 8	4•6	5.8	• 5	,	
E NE	.5	2	3.9	3.7	• 9	• 3	
Ł	1.4	2.1	4.5	2.8			
E SE	.8	. 4	1 2	1 • 2			
SE	. 4	. 1	• 9	• 3			
SSE	• 1	• 5	• 9	1.0	• 3		
S	• 3	• 6	2.5	2.7	. 4		
SSW	• 3	• 8	1.4	3.5	• 1		
SW	.9	• 5	1.4	1.9	• 6		
WSW	1.0	. 4	• 9	2.1	1.4	• 3	
VI	• 1	• 6	•6	2.6	• 6	• 6	
WhW	• 1		• 4	. 4	• 3	.5	
NW	. 3	• 5	• 5	. 4	• 1		
NMM	• 1	• 5	• 9	. 1		• 4	
VARIABLE	·		1,2	1.0	3		• •
CALM	1////////	1111111	////////	7//////////////////////////////////////	///////	11/11/11/11/11/11	11
TOTALS	1   7.2	14.1	31.6	33.8	7.2	2.2	
		<i></i>					. • •

# NCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

7-21 2	27-27		34-40				TOTAL %	WIND
1.4	• • • • •	• • • • • • • •	• • • • • •		• • • • • • •	• • • • • •		10.3
• 3	•1						6.1	1.0 • 8
• 5							14.3	9.8
• 9	• 3						11.4	10 • 1
							10.8	8.0
							3.5	8.0
							1.7	6.8
• 3							2.8	10.5
• 4							6 • 5	10.5
• 1							6.1	10.8
•6							5.4	9.8
1.4	•3						6.1	11.9
•6	• 6						5.3	13.6
• 3	•5						1.7	15.5
•1							1.8	8.4
	. 4						2.1	10 • 4
.3		• • • • • • • •	• • • • • •	• • • • • • •	• • • • • • •	• • • • • •	2.6	10.9
////////	11///	111111111	///////	////////	////////	//////	/ 3.9	111111
7.2	2.2						100.0	9.8

Ī

)

 $(\cdot)$ 

()

 $\langle \cdot \rangle$ 

L' SAFETAC AIR WEATHER SERVICE/MAC

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE F-REQUENCY OF OCCURRENCE OF FROM HOURLY

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

				•			
DIRECTION (DEGREES)	1-3	4-6	7-10	11-16		SPEED 22-27	
И	1,3	2.2	3.5	2.1	•6	.3	• • • • • •
NNE	.9	. 8	2.8	1.4	• 1		
NE	.4	2.3	5.7	5.9	• 6		
E NE	1.2	3 • 1	3.2	4 • 0	• 9		
Ε	4	2 • 7	3.6	1.8			·
ESE	.1	1 • 4	1.2	• 3			
SE	.5	. 9	• 5	• i			
SSE	1 1 1	• 5	1.2	• 9	• 1		
S	. <u>1</u>	1.0	1.9	3 • 4	. 1	. 3	
SSW	! !	1 • 4	1.4	2.1			
SW	.1	1.7	• 9	1.6	• 3		
WSW	.5	• 6	2.3	3.9	. 4	• 4	•
W	.1	• 4	1 • 3	1.6	• 4	• 6	
WNW	{   	. 4	.3	• 5	. 4		
NH	• 1	. 4	1.0	• 5	• 1	. 1	
แทพ	.1	. 4	•6		• 3	• 1	
VARIABLE	' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '	• • • • • •	••••••	• • • • • • • •	• • • • • • •	• • • • • •	• • • • •
CALM		#11111	////////	[11111111	11111111	//////	111111
TOTALS	5.9		32.2		4.4	1.3	•
* * * * * * * * * * * * * * * * * * * *	• • • • • • • • •	• • • • • •	• • • • • • •	• • • • • • • • •			

## VUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

	RF ORD	• • • • •	• • • • • •			PERIOD (	OF RECOR FEB	D: HOURS	75- (LST	76,80-87 1: 1500-	-1700	• • • • •
	17-	wIND 21 ;	SPEED 22-27	IN KNOTS 28-33	34-40	41-47	48-55	GE	56	TOTAL	ME A N W I N D	
1	••••	•6	• 3	••••••	• • • • • •	• • • • • • • •	• • • • • • •	• • • • •	• • • •	9.9	8.8	
4		• 1								6 • 1	8.7	
Ş		• 6								15.0	10.3	
C		• 9								12.4	9. • 1	
3										8.5	7.8	
7										3.0	7.3	
l										2.1	5.8	
,		• 1								2.7	9.9	
•		•1	• 3							6.8	10.6	
			,							4.9	10.1	
,		• 3								4.5	9.0	
į		• 4	. 4	. 3						8.4	11.8	
		• 4	•6							4.4	12.9	
Š		<b>.</b> 4								1.6	11.5	
5		• 1	• 1			•	,			2.3	10.1	
		• 3	• 1							1.6	10.0	
•		• • • • •	• • • • •		••••	• • • • • • •		• • • •	• • • •	• 6	8.8	••••
,	/////	11/11/	1311111	/////////	//////	///////////////////////////////////////		/////	///	5.2	/////	
)	ı	4 . 4	1.8	÷. 3						100.0	9.2	

(

(

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

* * * * * * * * * * * * * * * * * * * *	• • • • • • • • •		• • • • • • •	1-0 0 0 0 0 0 0 1	• • • • • • •		
DIRECTION   (DEGREES)	1-3	4 -6	7-10	11-16	WING 17-21	0 SPEED 22- <sub>2</sub> 7	
N	1.7	3 • 5	2.7	2.7	.6	) • • • • • • •	•••••
MNE	2.0	2.3	3.6	1 • 1			
NE	2 • 3	2.3	4.9	6.4	• 6		
E NE	2.1	2.9	2.3	1.7			
. <b>E</b>	1 1 • 2	2.4	2.3	. 6	. 8		
ESE	.6	• 6					
SE	.2	1.1	•2	. 2			
SSE	• 3	• 8	•6	. 8			
S	.6	1 • g	2 * 3	3.6	• 3	• 3	
SSW	.8	1 • 7	•6	. 8	• 6		
SW	! ! .3	2.1	1.5	• 5	.2		
WSW	.3	1 • 4	1.4	2.7	• 5		•
Si	.5	* 8	• 9	. 6	<b>.</b> 5	• 3	•
k NV	[	. 3	•2	• 2			٠
NW	l .3	• 2		• 5			
NNW	1.4	. 9	•5	. 3			
VARIABLE	   • • • • • • • • • • • • • • • • • •		•••••			•••••	• • • • • •
CALM	   <i>                                  </i>	1111111	////////	///////////////////////////////////////	///////	///////	111111
TOTALS	1 14.9	24 • 9	23.8	22.8	3.9	• 6	•
• • • • • • • • • • • • • • • •							

RF OR	D UK				PERIOD MONTH:	OF RECORE	D: 7 HOURS(L	5-76,80-87 S7): 1800-	2000	••••
17			IN KNOTS 28-33	34-40	41-47	48-55	GE 56	TOTAL	MIND WEAN	
••••	.6	• • • • •	• • • • • • • •	• • • • • • •		• • • • • • • • •	• • • • • •	11.2	8,2	
								9.0	6.9	
	• 6							16.4	9.4	
								9.0	6.8	
	. 8							7.3	7.7	
								1.2	3.3	
•								1.5	5.5	
								2 • 4	8 • 2	
	• 3	. 3						9.0	10 • 1	
	• 6							4.4	8.7	
,	• 2							5.0		
•	• 5		• 3	• 2				6.7	0	
•	•5	• 3	• 2					3.6	11.2	
; •								• 6	8.8	
•								• 9	8.7	
,								3.0	5.4	
	• • • • • • •	*(* * * *	• • • • • • • • •	• • • • • • •	• • • • • •	• • • • • • • •	• • • • • •	. 3	15.0	• • • • •
1111	////////	11111	,,,,,,,,,	///////	///////	/////////	//////	/ 8.5	111111	
<b>:</b>	3.9	• 6	• 5	• 2				100.0	7.7	
• • • •	• • • • • • •	••••	• • • • • • • • • • • • • • • • • • •	• • • • • •	• • • • • • •	· • • • • • • • •	•••••	*********	· • • • • • • •	• • • •

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF USAFETAC FROM HOURL FROM HOURL

AIR WEATHER SERVICE/MAC

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • •	,	• • • • • • •	• • • • • • •	win	D SPEED IN KNO
DIPECTION (DEGR <sub>EES)</sub>		4-6	7-10	11-16	17-21	22-27 28-3
14	3.6	3 • 4	2.9	2.7	• 5	• • • • • • • • • • • • • • • •
NNE	2.9	2 • 6	4.1	2.6		
NE {	2.6	3 • 8	5.8	5.5	. 3	
E NE	1.4	1.9	2.6	1.2	• 3	
E	!   .5	. 9	1.7	. 9		
E SE	.2		• 3	• 2	• 3	
SE I	 	• 5	• 3			
S S E	.2	• 7	•2	. 7		
S	.5   .5	• 5	2.2	2 • 2	1.0	
SSW	1.0	2 • 1	1.0	1 : 9	.5	
SW	.2	2 • 1	2.1	1.2		• 2
WSW [	1 1 • 2	• 7	1.7	1.2	• 5	
₩ }	.9	1.0	• 9	• 5	• 3	• 3
w Nu			•2	• 3		
עמ	1 		• 2			
unu	.5	1.0	• 7		• 3	
VAPIABLE	· · · · · · · · · · · · · · · · · · ·			• 3		•••••
CALM	[ [//////////	11.111111	•	_	////////	
TOTALS	15.6			21.4		• 5
• • • • • • • • • • • • •	••••••				••••	

TOTAL NUMBER OF OBSERVATIONS: 585

(

(\_

FORD UK	MONTH: FEB	CORD: 80-87 HOURS(LST): 2100	)-2300 
WIND SPEED IN KNOT 17-21 22-27 28-33	S 34-40 41-47 48-	55 GE 56 ŤOTAL *	MEAN WIND
•5		13.2	7.1
	ı	12.1	7.2
• 3		17.9	8.5
• 3		7.4	7.7
		3.9	7.6
• 3		1.0	12.0
		• 9	7.0
		1.7	7.9
1.0		6.5	11.3
• 5		6.5	9 • 1
•2		5.6	8.2
• 5	• 2	5.5	9.6
•3		3.9	9.1
		• 5	11.3
		• 2	10.0
• 3		2.6	7.1
• • • • • • • • • • • • • • • • • • • •	••••••••		
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		_
4•3 •5	•2		
	• "	100.10	

O

LSAFETAC

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF S FROM HOURLY

AIR WEATHER SERVICE/MAC

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

			• • • • • • •	4 0 0 0 0 0 0 0 0			
DIRECTION ( (DEGR <sub>EE</sub> S)	1-3	4 -6	7-10	11-16		D SPEED 22- <sub>2</sub> 7	IN KN01 28-33
N	1,2	2 • 6	3.4	2.0	.7	.1	•••••
NNE	1.4	2.1	2.9	2.0	• 1	.0	
NE	1.8	3.7	5.3	4.8	• 5		•
ENE	1 • 3	2 • 5	3.4	2.7	• 5	•1	
Ε	1.1	1 • 8	2.8	1.3	• 1		
ESE	. 4	• 6	. 7	. 4	.0		
SE	• 3	. 4	• 5	• 1			
SSE	• 3	• 5	• 7	• 9	• 1	.0	
S	• 4	. 9	1.9	2.3	• 4	• 1	
SSW	.5	1 • 2	1.3	1.7	• 4	•0	
SW	.7	1.4	1.4	1.3	• 2	.1	
พรพ	.8	1.0	1.5	2.3	• 6	•5	• :
W	.6	• 8	• 9	i.2	. 4	. 4	• {
ผดพ	.2	• 2	•2	• 3	• 1	•2	
NW	• 2	• 3	• 3	• 2	• 1	•0	• (
พผส	. 4	• 7.	• 4	. 1	• 2	• 1	•
variable			.3	• 3	1	• • • • • •	• • • • • • • • • • • • • • • • • • • •
CALM	/////////	////////	11111111	///////////////////////////////////////	////////	111/111	///////////////////////////////////////
TOTALS	11.7			23.9			

### OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

Ī

MEAN WIND	TOTAL *		48-55			N KNOTS 28-33		
8,6	10.0		••••••	• • • • • • •	• • • • • •	• • • • • • •		.7
7.8	8.5						•0	. 1
8.6	16.2							• 5
8.4	10.4						•1	. 5
7.4	7.1							. 1
7.4	2.1							.0
6.2	1.4							
9.2	2.4						• 0	• 1
10.2	5.9						• 1	• 4
9.6	5.1						•0	. 4
8.6	5.1						• 1	• 2
11.4	6.7				•0	• 1	•5	• 6
10.08	4.4					• 0	• 4	. 4
11.45	1.2						•2	• 1
8.6	1.2					• 0	•0	• 1
8.5	.2 • 0					• 0	•1	• 2
12.4			• • • • • • •	• • • • • • •	• • • • • •		• • • • • •	
11111	9.6	///////	////////	/////////	///////	///////	(1/1/1/	1111
8 • 1	100.0				.0	• 2	1.6	. 3

AIR WEATHER SERVICE/MAC

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

• • • • • • • • • • • • • • • • • • • •	••••••		•••••	••••••	• • • • • • • •	• • • • • • • • • • • • • •
DIRECTION (DEGREES)	   1-3 	4 -6	7-10	11-16	WINI 17-21	D SPEED IN KN 22-27 28-3
N	1.8	2.1	2.7	. 4	. 1	• • • • • • • • • • •
INE	.9	2 • 7	2.9	. 7		
NE	.3	• 8	1.3	. 3		
ENE	1.0	1.2	• 9	. 1		
E	.7	1.0	•7	. 9		
ESE	:    -	• 3	• 5	. 1		
SE	1 ] ,4	• 7	.8	• 3		
SSE	.1	1 • 3	1.6	. 5		
S	,	1.7	2.1	2.9	1.0	• 9
SSW	1.4	2 • 1	2.9	3.3	• 3	. 4
SH	l 2.9	4 • 8	2.1	1.7	. 4	
wsw	2.1	3.4	2.0	3.9	1.8	• 4
W	2.1	1.3	• 9	• 5		• 1
wĸw	.7	• 9	• 8	• 3	• 1	
พน	.1	• 1	• 4	• 3		•1
иии	.7	• 1	• 7	. 3	• 3	
VARIABLE	! ! • • • • • • • • • • • • • • • • • •	• • • • • •	•••••	• • • • • • • • •		• • • • • • • • • • • • • • • • • • • •
ርቃ LM	  ///////////////////////////////////	///////	////////	///////////////////////////////////////	11111111	111111111111
TOTALS	l			16.4		2.0
* * * * * * * * * * * * * * *		• • • • • •	• • • • • • •	• • • • • • • • • •	• • • • • • •	• • • • • • • • • • •

TOTAL NUMBER OF OBSERVATIONS: 764

(

(

• • •	WIN	n arffn	IN KNOTS						
6	17=21	22-27	28-33	34-40			GE 56	TOTAL *	MEAN-WIND
. 4	. 1	••••	* * * * * * * * *	• • • • • •	* * * * * * * * *	••••••		7.2	6.1
. 7								7.2	6.6
٤.								2 . 6	7.1
. 1								3.3	5.2
. 9								3.3	7.6
• 1								• 9	7.9
• 3								2.1	7.1
۶,								3.5	7.7
. 9	1.0	• 9						9.6	11.5
. 3	• 3	• 4						10.3	8.9
. 7	. 4							11.9	6.4
. 9	1.8	• 4						13.6	9.8
. 5		• 1					•	5.0	5.8
3	• 1							2.7	7.0
. 3		.1						1.0	9.9
. 3	• 3							2.0	8.3
	*****	• • • • • •	• • • • • • • •	• • • • • •	• • • • • • •	• • • • • • •	• • • • • • • •	•••••	•••••
'///	////////	1111111	//////////	1111111	///////////////////////////////////////	///////	1111111	13.7	111111

,

)

Ą

(\_

(\_

(

(

(

(

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE O FROM HOUR

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION	  -3	4-6	7-10	11-16		SPEED IN K 22-27 28-
(DE GREET)		4 0	7 10	11-10	11-21	22-21 20-
N	3,3	2 • 5	2.7	. 3	• • • • • • •	• • • • • • • • • • • •
NNE	. 4	2 • 1	1.8	. 4		
NE	.9	• 5	1.6	. 3		
ENE	.5	1.0	1.4	. 4		
ε	• 3	1.2	.8	. 5		
E SE	• 3	• 5	• 7	• 1		•
SE	1.2	• 3	• 3			
SSE	.7	1.3	1.7	. 9		
S	.5	1.3	1.8	1.7	1.6	• 5
SSW	1 • 3	1.7	2.6	3.6	. 8	
SW	3.0	3 • 7	2.9	3.3	• 9	• 4
นรพ	1.4	2.0	2.1	3 • 4	• 4	• 4
N	1.7	2 • 5	• 7	. 4	• 1	• 1
16 NW	• 3	1 • G	. 1	. 3	• 1	
NW	. 1	· 8	• 8	. 5	• 1	
NNW	.7	• E	1.0	• 1		
uantante	]   * * <sub>* * *</sub> * * * * * ( 	• • • • • • •	•••••		• • • • • •	• • • • • • • • • •
VARIABLE   CALM	 	,,,,,,,,	•1	•1	,,,,,,,,	,,,,,,,,,,,
	1					
TOTALS	16.5	22 • 9	23.1	16.2	4 • 1	1 • 4

## VENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

1	ORD UK				MONTH:	MAR	HOURS (LS)	-76,81-87 []: 0300-	-0500
	17-21	SPEED 1 22- <sub>2</sub> 7	IN KNOTS 28-33	34-40	41-47	48-55	GE 56	TOTAL 2	ME AN WIND
\$		• • • • • • •	• • • • • • • •	3 * 6 0 U G	• • • • • • •	• • • • • • • •	• • • • • • •	9.3	
<b>‡</b>								4.7	7.1
3								3.3	6.4
4								3.4	6.8
5								2.7	7.0
1								1.6	6.6
								1.7	3.7
c,								4.6	7.7
7	1.6	•5	• 1					7.6	12.1
i	. 8							9.4	9.5
3	• 9	. 4						14.1	8.1
4	. 4	.4						9.7	9.4
4)	• 1	• 1						5.5	5.9
?	• 1							1.8	6.6
s	• 1							2.4	8.2
, 1								2.4	5.9
· • • • • • • • • • • • • • • • • • • •	• • • • • • • •			• • • • • •	• • • • • • •	• • • • • • • •	• • • • • • •	.3	12.5
'////	'////////	1111111	114121111	111111	11/////	11111111	1111111	15.7	111111
1. ?	4 • 1	1 • 4	• 1					100.0	6.7
• • • • • •	•••••		• • • • • • • •		• • • • • • 11• (	• • • • • • •	• • • • • • •	• • • • • • •	

A IR WEATHER SERVICE/MAC

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SUSAFETAC FROM HOURLY

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

• • • • • • • • • • • • • • • • • • • •			• • • • • • •	• • • • • • • •		• • • • • • • •	
DIRECTION (DEGR <sub>EES)</sub>	1-3	4-6	7-10	11-16		SPEED IN 22-27 2	
N	1,9	1.9	4.1	• • • • • • • • •	• 1	• • • • • • • •	) <b>* * * * *</b>
NNE	1.0	1 • 4	2.4	• 8	•2	•1	
NE		1.6	2.0	• 7	• 5	•1	
F NE	.6	1 • 3	1.2				
E	. 13	1.7	1.0	• 2	• 1		
E SE	•2	• 7	1.0				
SE	.5	1.0	1.1	• 2			
SSE		1.1	1.0	. 6			
S	. 3	1.6	1.2	3.3	• 4	•7	
K22	1 • 1	3.9	2.7	4.3	1.3		•
S k	1.4	2 • 5	1.7	2.3	• 7		
WSW	1.9	1 • 6	3.1	2.7	1.1	• 1	
₩	1.9	• 7	1.2	1.3	. 4	• 2	
MIIW	1.0	1.0	1.2	• 2	• 1		
иw	• 1	1.1	1.1	• 5	• 1	• 1	
NNW	• 1	. 8	•7	• 2			
VARIABLE		1	1	• • • • • • • •	• • • • • • • •	.1	• • • • •
CALM	 	.111111	11111111	/////////	///////////////////////////////////////	/////////	11111
TOTALS	12.9				5.0		•

UK			MONTH:	OF RECORE	HOURS (LS	-76,80-87 T): 0600-	0800	
	SPEED IN 12-27 2	KNOTS  8-33   34-40	41-47	48-55	GE 56	TOTAL %	ME A N W I N D	
.1	• • • • • • •		• • • • • • • • •	*******		8.7	6.8	• • •
• 2	•1					6.0	7.7	
• 5	•1					4.9	9.0	
						3.1	5.7	
• 1						3.3	6.8	
						1.9	6.2	
						2.7	6.5	
						2.6	8.5	
• 4	• 7					8.0	11.1	
1.3		•1				13.5	9.8	
• 7						8 • 6	8.5	
1.1	• 1					10.5	9 • 1	
. 4	•2					5.7	8.1	
• 1						3.5	6.4	
• 1	• 1					3.0	8.8	
						1.9	6.9	
• • • • •	••••••	****		• • • • • • • •	•••••	4	13.0	• • •
//////	141111111	///////////////////////////////////////	/////////	/////////	1111111	11.6	111111	
5.0	1.6	• 1				100.0	7.5	

USAFETAC AIR WEATHER SERVICE/MAC

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE ( FROM HOUF

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIPECTION (DEGREES)	1-3	4-6	7-10	11-16		SPEED IN K 22-27 28-
N !	.9	1.5	2.6	1.4	• 5	• • • • • • • • • •
NNE	.8	• 8	3.8	1 • 2	٠ 4	• 2
ne l	.5	. 9	2.3	2.3	• 2	• 5
C NE	. 9	• 7	• 6	. 8	• 2	
E ,	.6	1 • 4	.8	1.2		•
ESF	.5	• 7	•7	• 5		
SE	. 4	• 9	1.1	. 4		
SSE	• 1	• 4	1.6	1.8	• 1	
S	• 2	• 5	2.1	3.4	• 5	
SSW	. 3	1 • 1	2.0	4 • 1	1 • 3	•7
SW I	1 • 1	• 6	2.9	3.8	8•	• 7
k S W	.9	1.2	1.3	3.8	1 • 6	• 8
V	1.1	1.3	1.6	3.1	1.3	• 4
KNW	i   	, 4	1.3	• 7		• 5
กผ	.5	• 7	1.9	1.9	. 4	• 1
имк	• 1	• 5	1.6	. 8	• 1	
VARIABLE	; ; • • • • • • • • • • • • • • • • • •	• • • • • •		 . 4		• • • • • • • • • • • • • • • • • • • •
CALM	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	/////////	11/1////	/////////////	111111111	1111111111111
TOTALS	9.5	13 • 5	29.0	31.3	7.4	3.9

TOTAL NUMBER OF OBSERVATIONS: 952

(

(

(

•

#### FARENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS REORD UK PERIOD OF RECORD: 75-76,80-87 MONTH: MAR HOURS (LST): 0900-1100 WIND SPEED IN KNOTS 34- 17-21 22-27 28-33 34-40 41-47 48-55 GE 56 TOTAL MEAN X . RIND • 5 8.5 . 4 • 2 7.2 9.2

)

Ì

J

)

)

)

- )

 $\bigcirc$ 

0

1	• 2	• 5			6.8	10•4	
	• 2				3.3	7.9	
Þ					4.0	7.8	
ŧ					2.3	6.9	
					2.7	7 • 1	
•	• 1				4.0	10.8	
	• 5				6.7	11.4	
	1.3	• 7	• 2		10.3	1.2.6	
•	8•	• 7		•2	10.1	12.1	
	1.6	• 8			9.6	12.1	
	1 • 3	• 4			8.7	11.4	
,		•5			2.8	12.1	
·	. 4	• 1			5 • 4	10.5	
1	• 1				3.2	9 . 6	
•••••	•••••	•••••	.1	•••••••••••••••••••••••••••••••••••••••	1.3	14.3	• • •
114111	11111111	11111111	////////	///////////////////////////////////////	4.7	111111	

)  $\mathsf{C}$ ) 7.4 3.9 100.0 10.1 • ) 0 AÍR WEATHER SERVICE/MAC

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE (USAFETAC FROM HOUF

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

	. 000,10	<b>.</b>					
	• • • • • • • • •	* * * * * * * *	•••••	• • • • • • • •		D SPEED IN	• •
DIRECTION ( (DEGREES)	1-3	4 -6	7-10	11-16	17-21		8-
N [	.4	1.9	2.7	3.1	.2	• • • • • • • • •	• •
NNE	, <b>, 4</b>	r <b>F</b> .	3.0	1.3	•2	• 2	
,NE	• 2	• 6	1.4	2.6	• 6	•2	
ENE	.6	• 4	•7	• 7	• 1		
Ē ,	<b>.</b> 4	• 9	• 6	1.5	• 1		
E S E	• 2	. 4	. 4	. 6			
SE	. 9	• 7	1.4	1.1	• 6		)
SSE		• 2	•5	1.3	• 6		
S	• 2	1 • 4	3.4	2.4	1.1	• 2	
ssw	.6	٠,۶	2.1	3.8	2.0	. 4	
รพ	.5	• 9	1.5	3.9	1 • 4	• 6	
WSW	. 4	• 8	1.7	3.5	2.7	1.9	
Ŋ	• 6	• 7	2.1	4.3	1.3	. 8	,
w NW	• 2	• 7	2.2	1.2		• 1	
NH	• 1	• 6	1.1	2.2	. 4		
มหห	• 1	. 8	1.1	1.8	. 1		
v.ARTÁBLE	· · · · · · · · · · · · · · · · · · · ·		.9	• 2	• • • • • •	• • • • • • • •	• • •
CALM	  /////////	///////	/////////	///////////////////////////////////////	1111111	///////////////////////////////////////	///.
TOTALS	   5.8	12.6	27.2	35.4	11.5	4.5	
	; • • • • • • • • • • •						

TOTAL NUMBER OF OBSERVATIONS: 847

1

Ĺ

(

(

ORD UK	* * * * • • • .			MONTH:	OF RECOR	HOURS (LS:	-76,80-87    1200-	1400
		IN KNOTS			48-55			MEAN Wind
.2	<b>9</b> /8 * * * * * *		• • • • • •	• • • • • • •	• • • • • • •	•••••	8.3	9.1
• 2	•2						5.7	9.9
• 6	•2						5.7	11.9
• 1							2.5	8.2
• 1							3.9	9. 3
							1.5	8.8
• 6							4.7	9.0
• 6							2.6	13.5
1.1	•2						8.7	10.7
2.0	• ત	. 1					9.8	12.7
1.4	• 6	• 4					9.2	13.3
2.7	1.9		. 4				11.3	15.8
1.3	.8						9 • 8	12.7
	•1						4.5	9.2
. ત							4.4	11.2
- 1							3.9	10 • 2
••••	• • • • • • •	• • • • • • • •	• • • • • •	• • • • • • •		• • • • • • •	1.3	9.0
11////	////////	·/////////////////////////////////////	///////	////////		////////	2.2	/////
11.5	4.5	• 5	• 4					11.3
• • • • •	• • • • • • •							

------

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SUSAFETAC PERCENTAGE FREQUENCY OF OCCURRENCE OF SUSAFETAC

AIR WEATHER SERVICE/MAC

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION   (DEGREES)		4-6	7-1-0	11-16	WIND 17-21	SPEED IN 22- <sub>2</sub> 7 2	8-33
N	1.1	2.7	4.0	1.4	• 5	• • • • • • • •	• • • • •
NNE	•2	1.2	2.3	1.3	• 1		
NE	. 5	• 7	1.2	1.9	• 6		
ENE	• 2	. 1	1.1	. 5	•1		
Ε	•2	• 5	1.4	1.4			
E SE	• 1	• 7	• 6	• 6			
SE I	• 1	• 6	•8	1.1	• 2		
SSE	.5	• 6	1.0	1.5			
S	.5	1.5	4.2	1.9	1.2		
SSW	.5	1.0	2.1	4.9	. 8	.5	
S₩	.6	1.5	1.8	2.9	1.4	• 7	• 2
WSW	• 2	1.2	1.7	3.9	1.9	1.4	• 2
W	.8	1.1	3.2	3.3	• 7	• 5	
WNW	.7	• 8	1.7	1.0	. 1	• 4	
NV	• 2	• 7	2.5	1.7	• 2		
WNM	• 2	• 7	1.9	1.3	• 2		
VARIABLE	• • • • • • • •		1	• 4			* * * * *
CALM	///////////////////////////////////////	///////////////////////////////////////	///////	///////////////////////////////////////	11///////	//////////	/////
TOTALS	6.8	15 • 7	31.5	31.0	8 • 3	3.5	• 5

TOTAL NUMBER OF OBSERVATIONS: 840

1

(

### PUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

									•			
RF 0	RD UK						PERIOD MONTH	OF RECOR	D: 75 HOURS(LS	-76,80-87 T): 1500-	1700	
1	w] 7-21		PEED -27		KNOTS	34-40	41-47	4 8 <b>-</b> 5 5	GE 56	TOTAL	MEAN WIND	• • •
•••		• • • • • 5	• • • •	• • • •	• • • • •	• • • • • •	• • • • • •	• • • • • • •	• • • • • • •	9.8	8.0	• • •
•	• 1	Ĺ								5.1	9.1	
,	• 6	,						,		4.9	10.6	
;	• 1	l								2.0	9.9	
i										3.6	9.5	
										2.0	8.4	
į	• 2	?								2.9	10 • 3	
•										3.6	9 • 1	
,	1.2	2								9.3	9.9	
}	. 8	3	• 5							9.8	12 • 3	
3	1.4	ŧ	• 7		• 2					9.2	12•4	
,	1.9	7	1.4		• 2	• 2	?			10.8	14.9	
Š	• 7	7	• 5							9.6	10.8	
?	• :	l	• 4					r		4.6	9.5	
7	• 2	2								5.4	9.7	
•	• 2	2								4.4	9.4	
• •	• • • • • •	• • • • • 1	• • • •	••••	• • • • •	• • • • • •				.6	13.0	• • •
111	/////	////	////	1111	/////	//////	1111111	///////////////////////////////////////	111111111	2.5	/////	
l	8•:	3	3.5		• 5	• 2	2			100.0	10.5	

(---

(

(

(

STATION NUMBER: 036440 STATION NAME: PAF FAIRFORD UK

DIRECTION   (DEGREES)	1-3	4 -6	7-10	11-16	WINE 17-21	22-27 2
N	2.5	3 • 5	2.1	1.3	.1	
NNF	, 6	1 • 3	2.5	• 7		
NE	. 4	• 4	1.3	. 7		• 1
E NE	. 8	• 1	8•	• 4		
Ł	.6	• 7	1.0	• 4		
ESE	• 1	• 1	. 3	• 3		
SE	. 7	. 7	1.0	1.0	• 1	• 1
SSE	. 4	1 • 4	•6	• 1		
s	1 • 4	2.0	4.5	2.2	1.3	• 4
SSW	2.5	2.1	2.5	2 • 1	• 3	• 1
SW	2.0	2 • 4	2.9	2.9	• 7	• 4
wsw	1 • 1	3 • 2	2.1	3.5	1 • 4	• 6
W	1 • 3	1 • 7	2.2	1.3	• 7	• 1
WNW	1.3	1 • 1	•8	• 6	• 1	• 4
NK	.7	2 • 1	• 7	. 7	• 1	
ี ผมห	. 3	1.0	. 1	. 6		
VARIABLE					.1	• • • • • • • • •
CALM	/////////	11111111	(////////	//////////	11111111	1111111111
TOTALS	16.9				5.0	2.4

RYQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

• • •		COCCO TA			• • • • • • •	• • • • • • • •	• • • • • • • •	• • • • • • • •
		SPEED 11 22-27 2	28-33 34-4	0 41-47	48-55	GE 56	TOTAL %	ME AN
3	.1	• • • • • • • • •			• • • • • • •		9.5	6.1
7							5.0	7.6
7		• 1					2.9	8.9
4							2.2	6.5
ų							2.7	7.6
3							.8	8.5
J.	• 1	• 1					3.6	8.8
1							2.5	5,5
2	1.3	• 4					11.8	9.7
1	• 3	• 1					9.7	7.8
ÿ	.7	• 4					11.3	9.3
Ē	1.4	• 6	• 4				12.3	11.1
3	• 7	• 1					7.3	8.6
6	• 1	• 4					4.1	8.2
. 7	• 1						4.3	6.5
6				,			2.5	5.9
•••	•1	• • • • • • • •	• • • • • • • • • •	• • • • • • • • •	*′c • • • • •	• • • • • • •		20.0
111		111111111	· ////////////////////////////////////		////////	/////////	7.1	111111
8	5.0	2.4	• 4			-	100.0	7.8

USAFETAC

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF FROM HOURLY

AIR WEATHER SERVICE/MAC

U

(

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16		SPEED 22- <sub>2</sub> 7	
N N	3.0	2.7	1.2	. 3	• • • • • • • •	• • • • • • •	• • • • •
NIVE	.9	2 • 3	3.3	• 9	• 2		
NE	.5	• 3	1.8	• 3			
E NE	.6	• 6	.3				
ε	. 3		.8	• 8			
ESE	1 [ • 2	• 2	. 3	• 3		•2	
SE	.2	• 2	1.5	• 2	• 2		
SSE	.5	• 5	1.8	• 3			
S	1.5	1.5	2.1	2.7	1 • 4	1.1	,
SSA	1 1 4	1 • 7	3.5	2.0	• 3	• 3	
SW	1.8	4 • 2	3.5	2.9	• Ď	• 3	
WSW	2.7	2•9	2.3	3.9	1 • 4	<b>8</b> • ،	
W	1.8	2.0	1.2	• 6	• 3		
NNW .	.9	1 • 2	• 8		• 3	٠ 2	
NW	.5	1 • 4	.8		• 3	•2	
หคม	.5	• 3	• 5				
VARIABLE	: ' * • • • • • • • • • • • • • • • • • •				• • • • • • •	• • • • • • •	• • • • •
	   		,,,,,,,,	• 3	,,,,,,,,	,,,,,,,,	11111
TOTALS	1						,,,,,
IUIALS				15.3			
• • • • • • • • • • • • •	• • • • • • • • •		•••••	• • • • • • • •	• • • • • • •		• • • • •

#### RVA EQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

	RFORD					PERIOD OF RECORD: 75-76,81-87 MONTH: MAR HOURS(LST): 2100-2300					
-4C * * '		WIND	SPEED	IN KNOTS		• • • • • • •	• • • • • • • •	• • • • • • •	* * * * * * * * *	******	• • • • •
		21	22-27	28-33	34-40				2	ME A N WIND	
• 3	• • • • •	• • • •	• • • • •	• • • • • • • •	•••••	• • • • • • •	• • • • • • • • • • • • • • • • • • • •		* * * * * * * * * * * * * * * * * * * *	*****	• • • •
• • •									7.2	4.4	
• 7		• 2							7.5	7.8	
. 3									2.9	7.7	
									1.5	4.7	
• 8									1.8	8,5	
• ?			•2						1.1	9.7	
• 2		• 2							2.1	9.0	
• 3									3.0	7.3	
. 7	1	4	1.1						10.2	11.2	
• 6		• 3	• 3						9.0	9 • 1	
. 9		• 6	. 3						13.2	8.2	
• 9	1	• 4	.8						13.8	9.6	
• 6		• 3							5.9	6.2	
		• 3	•2						3.3	7.0	
		• 3	•2						3.0	8.0	
• •									1.2	5.4	
 //-3	• • • • •	••••	• • • • • •	• • ~ • • • • •	• • • • • •	* * * * * * * * (	• • • • • • • •	• • • • • • •	3	13.0	••••
						///////////////////////////////////////	'////////	X//////	13.1	111111	
3	4	• 8	2.9						100.0	7.2	
• • •	• • • • •	• • • •	• • • • • •	• • • • • • •	• • • • • • •		• • • • • • •		• • • • • • • 3		

{

(

(

(

(

GLOBAL CLINATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF USAFETAC FROM HOURL

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

• • • • • • • • • • • • • •	• • • • • • • • •		• • • • • • • •	• • • • • • • •		• • • • • •	••••
DIRECTION   (DEGREES)	1-3	4 -6	7-10	11-16		22- <sub>2</sub> 7	
N	1.8	2 • 3	2.8	1.2	.2		• • • • • •
NNE	.6	1 • 5	2.7	. 9	. 1	•1	
NE	. 4	• 7	1.6	1.2	. 3	• 1	
ENE	.7	• 7	• 9	. tį	. 1		
٤	. 4	1.0	• 9	. 9	.0		
ESE	• 2	• 5	• 6	• 3		•0	
SE	. 5	• 6	1.0	• 5	• 1	.0	
SSE	• 3	• 8	1.2	• 9	• 1		
S	.7	1.4	2.7	2.6	1.0	• 5	•
SSW	1.2	1.8	2.5	3 • 5	• 9	• 3	•
SW	1.6	2.5	2 • 4	3.0	• 9	• 4	•
KSN	1.3	2.0	2.0	3.6	1.6	.8	•
Ħ	1 1.4	1.4	1.7	1.9	• 6	• 3	
k. N W	.6	. 9	1.1	• 5	• 1	• 2	
NW	• 3	. 9	1.2	1.0	• 2	• 1	
HMM	.4	• 6	1.0	• 7	• 1		
VARIABLE	: • • • • • • • • • • • • • • • • • • •	.0	.3	• 2	•0	.0	• • • • • • • • • • • • • • • • • • • •
CALM	,   <i>                                    </i>	1111111	11111111	111111111	////////	//////	///////
TOTALS	12.4	19.6	26.6	23.3	6.4	2.8	• :

10TAL NUMBER OF OBSERVATIONS: 6285

D UK	••••			:HTNOM	MAR	HOURS(LS	5-76,8D-87	L	•••
	SPEED IN 22-27 2		4-40	41-4.7	48-55	GE 56	TOTAL %	MEAN WIND	
•2	•••••	• • • • • • •	••••	• • • • • •	• • • • • • •	• • • • • • •	8.4	6.9	• • •
• 1	• 1						6 <b>.</b> D	8.2	
• 3	• 1						4.3	9.6	
. 1							2.7	6.9	
• 0							3.2	8.1	
	• 0						1.6	7.6	
• 1	• 0						2.8	8.0	
• 1							3.3	8.9	
1.0	• 5	• 0					8.9	10.9	
• 9	• 3	•1					10.3	10.5	
• 9	• 4	•1	•0				10.8	9.7	
1.6	• 8	• 1	• 1				11.4	11.5	
• 6	• 3						7.3	9. 4	
• 1	•2						3 • 4	8.5	
• 2	• 1						3.7	9 • 3	
• 1							2.7	8.3	
.0	•0	•.0	••••	• • • • • •	• • • • • • • •	• • • • • •	•••••	•••••	• • •
				,,,,,,,	11411111		.6	12.3	
6.4	2.8	• 3	•1	,,,,,,,	,,,,,,,,,	,,,,,,,		111111	
0.,	2.0	• 3	• 1				100.0	8.6	
* * * * * *	••••••	• • • • • • •	• • • • • •	• • • • • • •	• • • • • • • •	•••••	• • • • • • • • •	• • • • • • • • • •	• • •

USAFETAC

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF S FROM HOURLY

AIR WEATHER SERVICE/MAC

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION   (DEGR <sub>EE</sub> S)	1-3	4-6	7-10	11-16	17-21	22- <sub>2</sub> 7	28-3
N	3.4	2.9	2.4	2.2		•••••	••••
NNE	2.5	2 • 5	3.0	1.5			
NE	. 9	1.1	1.8	1.1	• 1		
ENE	. 7	1.1	•9	. 3	• 1		
E !		• 5	• 1	. 1			
E SE	. 4	• 3					
SE.	.7	. 4	•1	• 3			
SSE	. 4	. 1	. 8	• 1			
S	1 • 3	1.2	1.3	1.2			
ssw	1.8	2 • 2	2.0	• 7	• 5		
SW	3.2	3 • 7	2.0	1.7	• 3		
kSW	2.2	2.0	2.2	1.1	• 3		
W [	2.4	1,7	1.5	. 7	• 3		
WNW !	. 9	• 5	. 4				
ivu	٠,٩	1.7	•8				
NNW !	1.5	1.3	1.7	. 7	• 4		
VARIABLE	••••••				• • • • • •	• • • • • •	
CALM	111111111	///////	11111111	///////////////////////////////////////	7///////	///////	//////
TOTALS	23.2	23.2	21.1	11.5	2.0		

TOTAL NUMBER OF OBSERVATIONS: 757

ĺ

## ENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

RFORD UK PERIOD OF RECORD: 75- MONTH: APR HOURS(LS	T1: 0000-	0200	
WIND SPEED IN KNOTS 17-21 22-27 28-33 34-40 41-47 48-55 GE 56	TOTAL %	ME A N WIND	•
	11.0	6,6	• •
	9.5	6.4	
• 1	5.0	7.8	
•1	3.0	6.3	
	• 8	6.7	
	• 7	3.2	
	1.5	5.6	
	1.5	6.5	
	5.0	7.1	
•\$	7.3	6.8	
• 3	10.8	6.5	
• 3	7.8	6.6	
• 3	6.5	5.9	
	1.8	4 • 1	
	3.4	4.5	
. 4	5.5	7.1	
	• • • • • • • •		• •,-
	18,9	/////	
2 • 0	100.0	5 • 2	
			••

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SU USAFETAC PROM HOURLY O FROM HOURLY O

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • •		•••••	• • • • • • • • •	• • • • • • • •		• • • • • •
DIRECTION (DEGR <sub>EE</sub> S)	1 - 3	4 -6	7-10	11-16	WIND 17-21	22-27	IN KNOTS 28-33
N	3.8	2 • 5	2.2	2.4	• • • • • • • • • • • • • • • • • • • •	•••••	• • • • • • • •
MNE	1.7	3 * 3	2.6	. 7			
NE	1.5	2 • 2	• 9	2.0			
ENE	.1	• 7	• 1	. 7			1
ε	.9	• 5	• 4	• 1			
ESE	• 3	• 5		• 1			
SE	.5	• 4	• 7				
SSE	• 1	• 8	• 8	• 1			
S	1.3	1 • 3	1.7	1 • 3			
SSW	2.0	• 9	1.6	1 • 2	• 3		
SW	1.7	3 • 7	2.4	• 5			
มรพ	2.1	1	2.1	1.5			
ผ	3.2	1 • 5	• 8	1 • 1	• 5		
พทพ	2.4	1.3	•1				
NW	1.2	1.7	• 7	• 3			
NNW	. 9	1 • 3	1.6	. 4	. 3	•1	
VARIABLE	· • • • • • • • • • • • • • • • • • • •	• • • • • •	•••••	• • • • • • • •	• • • • • • •	• • • • • •	6 st > 0 0 0 0
CALM	1111111111	1111111	////////	/////////	/////////	1111111	111111,
TOTALS	23.9				1.2	•1	

TOTAL NUMBER OF OBSERVATIONS: 756

1

## FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

FA IR						MONTH:	APR I	10 URS (L	5-76,80-87 ST1: 0300-	0500
<b>,</b>	• • • •			IN KNOT		• • • • • • •	• • • • • • •	• • • • • •	• • • • • • • • •	• • • • • • • • • • • • • • • • • • • •
		2 1	22-27	28-33	34-40				TOTAL	21 N.O.
2.4	• • • •	. 1	• • • • • •	* * * * * * * * * *	• • • • • • •	• • • • • • •	• • • • • • • • • •		11.1	6.9
, .7									8.3	5.9
. 2.0									6.6	7.3
. 7									1.6	8.5
• 1									2.0	4.9
, .1									• 9	5.1
ſ									1.6	5.4
. •1									1.9	6.7
11.3									5.7	7.3
1.2		. 3							6.0	7.0
.5									8.3	5.5
1.5									7.5	6.5
1.1		• 5							7.0	6.0
									3.8	3.3
. 3									3.8	5.1
. 4		. 3	• 1						4.6	7.6
			• • • • • •	• • • • • • • •	• • • • • • •	• • • • • • • •	• • • • • • •	•••••		•••••
11111		,,,,	,,,,,,,	· ////////////////////////////////////	,,,,,,,,	,,,,,,,,	11111111	111111	1/ 19.2	/////
2.3		1.2	• ]						100.0	5.1
				•	• • • • • • •		• • • • • •			

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE O USAFETAC FROM HOUR

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

• • • • • • • • • • • • •				• • • • • • • •	u T Ni	D SPEED IN K
DIRECTION (DEGREES)	1-3	4 -6	7-10	11-16		
ti i	1.5	2.7	1.9	3.4	1.0	.2
NNE	1 • 1	2.3	3.7	1 • 2		
NE	1.6	1.7	2.4	2 • 2		
E NE	.6	8 •	.8	• 5	• 1	
Ĕ	.8	• 7	• 7	• 1		
ű se	.7	٠ 4	. 4	• 1		
SE	.5	• 6	• 7	• 1		
SSE	• 2	• 4	• 7	• 5		
S	.8	1.5	1.5	1.8	• 1	
SSW	1.6	1.7	2.3	1.9		
SW	2.9	2 • 4	2.7	. 8		
WSW	2.1	1.3	2.5	1.6		
W	1.5	. 8	1.7	1.3	• 2	
hNW	.4	• 7	• 7	• 6	. 1	
NW	.5	1 • 5	1.9	• 6		
ผทห	. 4	1.3	1.7	1.1	,	•
VARIABLE	· · ·	• • • • • •	• • • • • • • •	. 1		• • • • • • • • • • • • • • • • • • • •
CALM	,,,,,,,,,,	///////	11111111	111111111	11111111	111/111111111111
TOTALS	17.9	20 • g	26.5	18.0	1.6	•2

TOTAL NUMBER OF OBSERVATIONS: 827

(

<del>(</del>

(

{

(

C

RD L	JK		• • •			PER]	OD (	OF RECOR	D: HOURS	75- LST	76,80-87 3: 0600	7 -0800	
7-21		D SPEED 22- <sub>2</sub> 7	IN K 28-		34-40	417	-47	48-55	GE 5	56	TOTAL	ME/	
1.	0	.2		• • • •	• • • • •	• • • • •	• • • •	• • • • • • •	• • • • • •		10.6	• • • • •	94
											8.3	•	7 • 4
											7.9		7.7
•	. 1										2.9	•	7 • 1
											2.4	!	5.5
											1.6		4.9
											1.9	•	6.2
											1 • 8	4	3.6
•	. 1										5.7	1	<sup>3</sup> • 1
											7.5	•	7 • 6-
											8 • 8	!	5.9
											7.5	•	7.1
•	. 2										5.6	•	7.5
•	. 1										2.5	•	7.8
											4.• 5	•	7.1
											4.5	1	8.0
• • • •	• • •	• • • • • •	••••	• • • •	• • • • •	• • • • •			• • • • •	• • • •		• • • • • 1:	• • • • • • • • • • • • • • • • • • •
////	////	///////	/////	////	111111	/////	111	///////	/////	111	15.8	111	
1.		• 2					•				100.0		6.3
											10000		- • 5
,	• • •	• • • • • •	••••	••••	• • • • •	• • • • •	• • • •	• • • • • • •	• • • • •	• • • •		••••	• • • • • • •

J

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF USAFETAC FROM HOURL

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION   (DEGREES)	1-3	4 -6	7-10	11-16		SPEED IN P 22-27 28-	
N	.5	1.4	3.6	4.2	1.3	.4	•
NNE	1.0	2 • 5	3.1	2.3	• 5		
NE !	1.0	• 4	2.9	3.3	• 1		
E NE	1.0	1 • g	1.2	. 8	. 1		
Ε	1.0	1 • 3	2.0	. 5			
E SE	. 8	• 5	1.0	. li			
SE	• 2	• 1	•2	. 4	. 1		
SSE	• 1	• 1	1.2	3.		• 1	
s !	.8	1 • 3	1.8	2.2	1.0		
SSW !	.7	1.9	2.7	1.4	. 4		
SW	. 8	1 • 6	1.9	1.8	. 5		
v.sw	.6	1.2	2.0	3.5	• 5		
W I	1 • 2	• 7	1.6	2.7	1.0		
kum [	. <i>t</i> j	1.1	1,4	1.6	• 4		
NN I	. 7	• 7	2.4	1.7	• 1		
NNW ]	. 7	3•	2.0	1.6			
VARIABLE	••,,,		.7	.5		•••••	• • •
CALM	111111111	1.1111111	11111111	!/////////	////////	///////////////////////////////////////	///
TOTALS	11.6	17.6	31.9	29.5	5.9	• 5	

TOTAL NUMBER OF OBSERVATIONS: 830

(

(

(\_

## CY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

A C

WIND SPEED IN KNOTS -21 22- <sub>2</sub> 7 28-33 34-	-40 41-47	48-55	GE 56	TOTAL *	MÉÁN Wind	
1.3 .4	• • • • • • • • • • •	••••••		11.4	11.1	• • • •
•5				9.4	8.7	
•1				7.6	9.9	
•1				4.9	6.9	
				4.8	7.0	
				2.7	6.5	
•1				1.1	9.3	
•1				2.4	10.7	
1.0				7.1	9.9	
. 4				7.1	8.8	
•5				6.6	9.3	
.5				7.8	10·4	
1.0				7 • 1	10.1	
• 4				4.8	9 • 2	
•1				5.7	8.9	
				5.2	8.5	
			• • • • • • •	1.2	10.1	• • • •
(//////////////////////////////////////		////////	////////	3.0	111111	
5.9 .5				100.0	9.0	
• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • •	• • • • • • •	• • 3 • • • •	• • • • • • • • •	• • • • • • •	• • • •

USAFETAC AIR WEATHER SERVICE/MAC

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOU

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

!	* *** * *** * * * *					SPEED IN
DIRECTION   (DEGR <sub>EE</sub> S)	1-3	4 -6	7-10	11-16	17-21	22-27 28
N	.5	1.5	3.9	3.2	1.3	
NNE !	· · 2	2 • 3	2.9	2.7	• 6	
NE	. 6	1.3	2.8	2.9	• 2	
ENE	. 4	• 5	1.0	1 • 2	• 1	
ε	<b>,</b> 5	. 9	1.2	• 7		
ESE	, 5	• 5	1.0	1.2		
se l	• 1	. 4	1.2	1.2		
SSE	.5		• 7	1.8	• 1	
S	.5	• 9	2.6	1.1	• 5	• 4
SSW	1.1	1 • 5	3.7	4.0	• 5	
sw	.6	1.1	2.0	1.8	• 7	•2
hSW	.4	. 2	1.3	2.8	1.1	• 1
¥	.2	. 5	1.8	2.3	• 7	• 2
wnw	.1	• 5	2.1	1.6		
NW	.4	1 • 5	2.0	2.3	• 5	
. NNN	; ! !	1 • 1	1.2	2.6		
VARIABLE	1 .1	•••••	2.3	1.7		• • • • • • • • • • •
	1	,,,,,,,,,		_		
TOTALS	6.9	14 • 6	33.8	35.4	6•6	1.0
JOIALS	1	14 + 0		JJ• 4	0.0	

TOTAL NUMBER OF ORSERVATIONS: 817

1

C

ÖRD UK	· • • • • • •			PERIOD MONTH:	OF RECO			76,80-87 ): 1200-	1400	••••
WINE 17-21	SPEED 22-27	IN KNOTS 28÷33	34-40	41-47	48-55	GE	56	TOTAL	ME AN	
13		• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	* *	• • • •	10.4	10.5	• • • •
•6								8.8	9.6	
•2								8.0	9.8	
.1								3.2	9 • 3	
<u> </u>					T.			3.3	8.1	
								3.2	8.3	
								2.9	9 • 3	
•1								3 • 2	10.7	
•5	• 4							5.9	10.0	
• 5								10.8	9.5	
.7	•2	1						6.5	10,.3	
1.1	•1							6.0	12.3	
• 7	• 2							5.9	12.3	
								4.3	9.3	
• 5								6.6	9.9	
								5.0	10 • 2	
• 1	• • • • • •	• • • • • • •	• • • • • • •	• • • • • •	• • • • • • •	• • • • •		4.3	10.4	• • • • •
••			,,,,,,,,	///////	,,,,,,,,	/////	1111	1.8	/////	
6.6	1.0						,	100.0	9.9	

O

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE FROM HC FROM HC

1

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UM

P	• • • • • • • • • •		••••	• • • • • • •		
DIRECTION (DEGREES)	1-3	4-6	7-1/0	11-16		SPEED IN
k	1.2	2, 9	4.0	3.8	• 7	•1
NNE	.7	2 • 6	3,• D	2.2	• 4	
NE	.9	1.5	3.0	2 • 8	. 4	
E NE	.6	1.1	1.0	1.0	• 2	
E	4	1.0	1.0	• 7		
£ SE	.7	• 7	.7	• 6		
SE	• 2	. 4	1.5	. 7		
SSE	• 1	• 7	• 6	. 7	• 1	
S		1.3	2.4	2.6	• 5	• 5
SSW	. 5	1.2	2.6	2.4		
SW	. 4	• 6	2.4	1,6	• 4	•5
usw	. 4	1.2	2.3	3.0	1 • 3	•.2
W	• 2	• 5	2.7	1.2	• 7	
WNW.	l L	. 9	2.4	2 • 1	• 6	
NU	• 1	• 6	2.6	1.6	• 9	
иии	• 2	. 9	1.5	1.9	• 1	
VARIABLE	} • • • • • • • • • • • • • • • • • • •	• • • • • • •	1.3	. 5		• • • • • • • •
CALM	711111111		11111111	11111111	11/11/11/1	///////////////////////////////////////
TOTALS	7.2	18.0	35.1	29.5	6.5	1.3

TOTAL NUMBER OF OBSERVATIONS: 4 821

1

Ç

ORD UK				MONTH:	OF RECOF	HOURS	ILST	1: 1500	-1700.	
	22-27	1N KNO 28-33	TS 34-40	41-47	48-55			TUTAL	MEAN WIND	• • • • •
.7	.1	* * * * * * * * *	• • • • *		* * * * * * * ,	• • • • •	••••	12.8	9.5	• • • • •
• 4								8.9	8.6	
• 4								8.5	9.6	
• 2								3.9	8.2	
								3.0	7.2	
								2.8	6.8	
								2.8	9,0	
• 1								2.3	9•2	
• 5	•5							7.3	11.2	
								6.7	9.1	
• 4	• 5							5.8	10.8	
1.3	• 2							8.5	11.6	
• 7								5.4	10.2	
• 6								6.5	10.0	
• 9								5.7	10.8	
• 1								4.6	9.9	
	• • • • • •	•••••	<b>•</b> 4• • • • • •	• • • • • • •	• • • • • • •	••••	• • • •	1.9	10.2	• • • • •
,////////	1111111	///////	//////////////////////////////////////	11116111	1.19.11.11.11.11.11.11.11.11.11.11.11.11	1.7777	///	2.4		
6.5	1.3							100.0	9.5	
	• • • • • •	• • • • • •	• • • • • • •		• • • • • • •	• • . • •	• • • •	• • • • • • •		• • • • •

USAFETAC

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF S FROM HOURLY

AIR WEATHER SERVICE/MAC

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

* * * * * * * * * * * * * * * * * * * *	• • • • • • • • • •	• • • • • • •	• • • • • • •			SPEED	*
DIRECTION (DEGREES)	1-3	4-6	7-10	11-16			IN KNOT 28-33
N			7.0	2 7		• • • • • •	• • • • • • •
1A	l 2.5	2.5	3.0	2.7	• 6		
NNE	1.9	3 • 1	3.0	1.9	• 1		
NE	1.0	2 • 4	1.5	1.9			
ENE	1 . 2	. 9	• 4	• 7			
E	1.5	• 7	• 6	• 3			
F. S.E.	. 7	1.2	•6				
SE	! .9	1.0	• 3				
SSE	i .6	• 4	1.0	• 7			
S	1.2	1.9	1.9	2•1	• 1	• 1	
S S W	.9	2 • 4	1.6	• 6	• 4	• 1	
SW	.9	3.0	3.0	1.0	٠ 4	• 3	
WSW	.4	2.4	2.8	2.1		. 1	
W	1.2	1.5	1.8	1.5	• 1		
หทห	1.8	. 9	• 9	• 3			
พพ	.7	• 7	. 9	. 4			
พทท	.7	1.2	1.6	. 4			
VARIABLE	· · · · · · · · · · · · · · · · · · · ·	• • • • • • •			• • • • • • •	• • • • • •	• • • • • • •
CALM	111111111	/////////	11111111	7/////////	//////////	//////	////////
TOTALS	18.2	26 • 7	25.2	16.8	1.9	• 7	

TOTAL NUMBER OF OBSERVATIONS: 674

				J
Y OF OC	CURRENCE OF SURFACE WIND DIRECTION VERSUS WIND FROM HOURLY OBSERVATIONS	SPEED		Ĵ
RD UK	PERIOD OF RECORD: 75-	76 8N <b>-</b> 87		j
) 	MONTH: APR HOURS (LST	1800-	2000	j
	SPEED IN KNOTS 2-27 28-33 34-40 41-47 48-55 GE 56	TOTAL	MEAN	J
	******************************	* • • • • • • •	WIND	Ī
` •6		11.3	7.7	
• 1		10.1	7.0	*
1		6.8	7.4	1
		3.3	6.5	*****
		3.1	5.0	)
		2.5	4.9	)
		2.2	3 ; 9	
		2.8	7.7	)
• 1	•1	7.4	8.5	ر.
. 4	•1	6.1	7.6	_
. 4	•3	8.6	8.3	(_)
	•1	7.9	8.5	( )
• 1	`	6.5	7.5	• *
		3.9	5.2	)
		2.8	6.4	ı
		4.0	6.9	)
		7.0	0, 7	()
• • • • • • •	******************************	• • • • • • • • • • • • • • • • • • • •	9.0	
////////	///////////////////////////////////////	10.4	/////	$\circ$
1.9	•7	100.0	6.5	$\mathbf{C}$
	************************************		•	
				$\odot$
				()
				• 1
				O
	•			

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF S USAFETAC FROM HOURLY

AIR WEATHER SERVICE/MAC

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

1-3	4 -6	7-10	11-16		SPEED IN 2-27 28	KN0T 3-33
2,6	2.8	2.0	2.5	.6	* • • • • • • •	••••
2.9	3 • 7	1.5	1 • 6			
1.3	1.5	2.2	2.3			1
÷ ,3	• 6	• 4	. 3			*
.6	• 6	• 4	• 3	• 1		
. 4	. 4	• 1				
.7	• 1	• 3				
• 1	• 4	• 3				
1.8	1 • 5	1.9	1.9			
2.9	4 • 1	1.8	• 9			
2 • 2	2.9	2.2	1.9	. 4	• 3	
1 • 3	1.9	2.8	. 3			
2.3	1.6	1.2	• 6	• 3		
2.2	• 6	•3	• 1			
. 7	1.2	•6				
.7	• 7	1.2	. 3			
						/////
23.3	24 • 6	19.2	13.0	1.5	• 3	
	2.6 2.9 1.3 .3 .6 .4 .7 .1 1.8 2.9 2.2 1.3 2.2 .7 .7 .7	2.6 2.8 2.9 3.7 1.3 1.5 .3 .6 .6 .6 .4 .4 .7 .1 .1 .4 1.8 1.5 2.9 4.1 2.2 2.9 1.3 1.6 2.2 .6 .7 1.2 .7 .7	2.6	2.6	2.6	2.6

TOTAL NUMBER OF OBSERVATIONS: 683

1		
		3
E V A	DIRECTION VERSUS WIND SPEED	ا ر
• //	Y OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS	1 ,
	PERIOD OF RECORD: 75-76,81-87  D UK  PERIOD OF RECORD: 75-76,81-87  MONTH: APR HOURS(LST): 2100-2300	9
• •		)
40	WIND SPEED IN KNOTS -21 22-27 28-33 34-40 41-47 48-55 GE 56 TOTAL MEAN WIND	<b>)</b>
	10.5 7.7	
	• • 6 9•7 6•0	<b>J</b>
	7.3 8.2	)
	1.6 7.2	
	2.0 6.9	9
	1.0 4.3	
	1.2 4.3	<b>,</b>
	.9 5.5	
	7.0 7.4	.)
	9.7 5.5	)
	10.0 7.7	
	6.3 6.5	)
	6.0 5.8 1 .3	. j
	3.2 3.6	
	2.5 4.8	• )
	2.9 6.3	$\circ$
••		• • • • •
11	11/////////////////////////////////////	
	100.0 5.4	$\mathcal{O}_{\mathcal{A}}$
• •	1.5 .3	••••
		' / }
		Ó
		O
		<u> </u>

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE USAFETAC

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

• • • • • • • • • • • • • • • • • • • •			• • • • • • •		• • • • • •	
DIRECTION   (DEGREES)	1-3	4 -6	7-18	11-16	17-21	0 SPEED IN 22- <sub>2</sub> 7 28
N	1.9	2.4	2.9	3.1	.7	.1
NNE	1.5	2 • 8	2.9	1 . 8	• 2	
NE	1 • 1	1 • 5	2.2	2.3	• 1	
E NE	,6	. 9	•8	• 7	• 1	
Ε	.7	• 8	• 8	• 4	• 0	
ESE	.6	• 6	. 5	. 3		
SE	.5	• 4	• 6	• 4	•0	
SSE	. 3	• 4	8•	• 6	•0	•0
S	.9	1 • 3	1.9	1.8	. 3	•1
SSW	1.4	1.9	2.3	1 • 7	• 3	•0
SW	1.6	2 • 3	2.3	1 • 4	• 3	•2
WSW	1 • 2	1 • 5	2.3	2.0	. 4	• 1
iq	1.5	1 • 1	1.6	1.4	• 5	•9
WNW	1.0	• 8	1.1	• 8	• 1	
ħW	.6	1.2	1.5	. 9	• 2	
NNW	.6	1.1	1.6	1.2	• 1	• 0
VARIABLE	) 		. • • • • • • • • • • • • • • • • • • •			• • • • • • • • • • • • • • • • • • • •
•		,,,,,,,,,		•		!!!!!!!!!!!!!!!
TOTALS	1			21.2		
	· • • • • • • • • • •					

TOTAL NUMBER OF OBSERVATIONS: 6165

(

(

ne d	יחט יווי						_		
KF (	ORD UK				MONTH:	APR !	HOURS(LS	-76,80-87 T): AL	L
•••	WII		IN KNOTS	•	• • • • • • •			• • • • • • • •	•••••
1	7-21	·-	28-33	34-40			GE 56	TOTAL %	MEAN Wind
• • •	. 7	.1		• • • • • •	••••••	• • • • • • •		11.2	8.8
	• 2							9.1	7.5
	• 1							7 • 3	8.6
	• 1					•		3.1	7.5
	•0							2.7	6.6
								1, . 9	6 • 2
	•0							1.9	7.1
	• 0	•0						2.1	8.8
	• 3	• 1						6.4	8.9
	• 3	.0						7.6	7.8
	• 3	•2						8.1	7.8
	. 4	•1						7.4	8.8
	•5	.0		•				6.2	8 • 2
	• 2							3.9	7,3
	• 2	• 0						4.5	7.9
	••	• • • • • • • • • • • • • • • • • • • •						4.6	8.3
	•0		• • • • • • • •	• • • • • •	• • • • • • • •	•••••	• • • • • • •	1.0	10.3
11	//////	////////	///////////	11.111111	11111111	11111111	1111111	10.9	/////
	3.5	• 5						100.0	7.2
• •	• • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • • •	• • • • • • • • • • •

J

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

• • • • • • • • • • • • •			• • • • • • •	•••••	WIND	SPEED	IN KNO
DIRECTION (DEGREES)	1-3	4 -6	7-10	11-16		22-27	28-33
N	4.1	3.9	1.7	1.3	• 1	• • • • • •	• • • • • •
NNE	3.2	2.9	1,6	• 5			
NE	1.4	2.2	2.1	. 8			i
FNE	1 • 2	1 • 4	•5				
E	1 • 2	1.2	. 4	• 1			,
FSE	.8	• 7	•1	• 1			r
SE	. 3	• 7	•5				
S S E	• 3	• 8	• 8	• 1			
S I	1 • 3	2.1	3.2	• 9			
SSW	1 • 1	1.8	3.2	3.4			
SW I	5.0	2 • 1	1.6	2.0	• 1		
kSN	1.8	1.6	2.4	1.1	• 3		
ŝ√	2.1	1.6	•5	• 3			
www.	. 4	1.1	.8				
NW	. 4	1.3	1.1	. 1			
NNW	1 • 1	. 9	• 4	• 3			
VARIABLE	   • • • • • • • • •	• • • • • •	••••••	• • • • • • •	• • • • • • • •	•••••	• • • • • •
CALM [	11:1111111	1111111	////////	//////////	///////////////////////////////////////	//////	//////
TOTALS	22.5	26 • 3	20.8		• 5		

TOTAL NUMBER OF OBSERVATIONS: 760

D UK PERIOD OF F MONTH: MAN	RECORD: 75-76,80-87 HOURS(LST): 0000-0200
WIND SPEED IN KNOTS	•••••••
-21 22- <sub>2</sub> 7 28-33 34-40 41-47 48	1-55 GE 56 TOTAL MEAN % WIND
• 1	11.2 5.5
	8.2 5.1
	6.6 6.3
	3.2 4.6
	2.9 4.9
	1.7 4.1
	1.4 5.4
	2.0 .6.5
	7.5 6.9
	9.5 8.4
•1	7.8 7.4
• 3	7.1 7.3
	4.5 4.4
	2.2 5.5
•	2.9 6.0
	2.6 4.8
///////////////////////////////////////	////////// 18.8 /////
~	100.0 5.0
• 5	

GLOBAL CLINATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF USAFETAC FROM HOURLY FROM HOURLY

AIR WEATHER SERVICE/MAC

;

(

C

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION (DEGR <sub>E</sub> S)	1-3	4 -6	7-10	11-16	WINE 17-21	22- <sub>2</sub> 7	
N	2,9	3 • 3	2.1	8	• • • • • • • •	• • • • • •	• • • • • •
NNE	3.3	3 • 7	2.7	• 7			Å
NE	1 • 4	2 • 1	2.1	1.2			
CNE	1.0	2.0	1.0	. 1			
ε	2.1	1.0	• 1				
E SE	.5	• 3	. 4				
SE	.5	. 8	. 5	. 3			
SSE	.7	. 9	• 7	. 1			
S	1.0	1 • 2	2.1	1.0			,
SSW	.8	1.3	4.4	2.5	. 1		
SW	1.5	1.6	1.4	1.8	• 1		
WSW	1.4	1.0	1.3	1.2	• 1		
W	2.2	• 8	1.6	. 4			
v NW	9	1.3	• 1	. 4			,
NV	1.4	• 5	• 7				
มหม	.5	2.0	1.2	. 3			
VARIABLE	: • • • • • • • • • • • • • • • • • • •		· • • • • • • • •		• • • • • • •		• • • • • • • •
CALM	!  ////////////////////////////////////	////////	1111111	111111111	////////	//////	///////
TOTALS	22.3	24. 2	22.5	10.7	. 4		1
• • • • • • • • • • • •			• • • • • • • •			• • • • • •	* *.* • * * * *

TOTAL NUMBER OF OBSERVATIONS: 766

OCCURRENCE C	OF SURFACE W	IND DIRE	CTION VE	RSUS WIN	D SPEED		J
FROM HOUR	RLY OBSERVAT	IONS			_		•
\$		PERIOD MONTH:	OF RECOR	D: 75 HOURS(LS	-76,80-87 T1: 0300-0	9500	U
ND SPEED IN 7 22-27 28-		41-47	48-55	GE 56	TCTAL X	MEAN Wind	) j
••••••	• • • • • • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	9.0	5,4	
					10.3	5.2	3
					6 4 8	6.5	j
			•		4.2	5.3	~ ~,
					3.3	3.1	Ć
					1.7	5.0	٠ ,
					2.1	5,7	,
					2.43	5 • 1	ر
					5.4	7.4	ز.
					9.1	8.9	,
					6.5	7.6	٠.
			`		5.1	7 • 2	, ,
					5.0	5 • 1	
					2.7	5 • 3	,
					2.6	4 • 2	. '
					3.9	5.9	()
••••••			• • • • • • •	•••••	••••••	• • • • • • • • • • •	
///////////////////////////////////////	(//////////////////////////////////////	////////			20.0	111111	()
					100.0	4.9	O
	• • • • • • • • • •			••••••		• • • • • • • • • • • •	(**)
							E
							O

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF S USAFETAC FROM HOURLY

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

• • • • • • • • • • • • • • • •	• • • • • • • • •		• • • • • • •	• • • • • • • •	• • • • • • •	• • • • • •	• • • • • •
DIRECTION (DEGR <sub>EES)</sub>	1-3	4 ~6	7-10	11-16			IN KNOT 28-33
N	1,5	3 • 2	3.9	1.9	• 1		• • • • • • •
NNE	1.4	2.1	3.3	1 • 4	• 6		
NE	1 • 4	2 • 7	4.3	1.1			
E NE	1.1	1.8	2.3	• 2			
ε	1 • 2	1.2	•5	• 2			
ESE	1 • 3	. 4	• 6	. 1			
SE	(   4	. 4	1.2	. 4			
SSE	1.2	• 7	1.4	• 5			
S	1.0	1 • 4	2.3	2.3	. 5		
SSW	.8	1 • 4	3.0	3.4	• 6		
sw	.8	1.5	2.0	3 • 1	• 1		
WSW	1 1 1	1.0	1.3	2.1	• 2		
W	1.0	1.0	1.1	• 6			
WNW	!   .8	1.2	•7	• 4			
พพ	.7	• 7	1.3	• 7			
พทพ	.6	1.0	2.4	1.2			
VARIABLE	; • • • • • • • • • • • • • • • • • • •		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	•••••	• • • • • • •		• • • • • •
CALM	1 	1111111	////////	/////////	////////	///////	111111
TOTALS	16.3	21 • 6	31.7	1.9 • 6	2.1		
	••••••	• • • • • • •	• • • • • • •	• • • • • • • • •	• • • • • • •	• • • • • • •	• • • • • •

TOTAL NUMBER OF OBSERVATIONS: 842

 $\mathcal{L}$ 

(

(

FORD	UK		PERIOD O MONTH:	MAY	HOURS (LS	-76,80-87 []: 0600-6	3800
17-	wIND SPEED 21 22-27	IN KNOTS 28-33 34-4		48-55	GE 56	TOTAL *	ME AN WIND
	.1	• • • • • • • • • • • • •		•••••		10.7	7,5
	• 6					8.9	7.8
<b>)</b>						9.5	7.3
						5.3	6.1
ı						3.1	5.1
						2.4	4.6
						2.3	6,9
						3.8	6.2
	• 5					7.4	9.2
	• 6					9.3	9.8
	• 1					7.6	9 • 1
	• 2					5.7	8.8
						3.6	6.3
						3.1	6.1
						3.4	7.5
<b>}</b>						5.1	7.8
( !	• • • • • • • • • •	••••••	• • • • • • • • •		• • • • • • • •		8.5
)  ////	///////////////////////////////////////	!!!!!!!!!!!!!!!!	///////////////////////////////////////		,,,,,,,,,,	8.7	111111
	2.1					100.0	7.0
	•••••••	•••••••		••••	••••••	••••••	

GLUBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE USAFETAC FROM HO

AIR WEATHER SERVICE/MAC

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

	, • • • • • • • • • • • • • • • • • • •	/ • • • • • • • • • • • • • • • • • • •	••••••		WIND	SPEED IN
DIRECTION   (DEGR <sub>EES)</sub>	1-3	4 -6	7-10	11-16		22-27 2
N [		1.8	3.8	3.8	. 1	• • • • • •
NNE [	!   .8 	2.6	2.4	1.2	. 8	• 4
NE (	.7	2.2	4.3	٤.7	•2	
E NE	.2	1.1	2.4	• 9	• 2	
E	1.2	1.5	1.5	• 7		
E S E	.5	• 6	•7	• 6		
SE I	.6	• 7	. 4	1.2		
SSE	. 4 	. 9	• 9	1.1		
S I	,7	1.2	1.7	2.8	• 5	•2
SSW	.2	1 • 4	4.1	3.8	• 2	.1
Sir	.7	1.1	2.1	2.7	• 6	
WSW	.5	• 7	1.7	3.9	• 5	• 4
wi	.5	1.1	•6	1.9	• 5	
พทพ	.8	9 •	1.3	1.4		
NM	i .4	• 6	1.8	1.8	• 2	
KNW	.4	• 9	2.6	1.2		
VARIABLE	 		1.3			
CALM	1//////////////////////////////////////	////////	11111111	///////////////////////////////////////	(111111111)	///////////////////////////////////////
TOTALS	1	19.2				1.1
				********		

TOTAL NUMBER OF OBSERVATIONS: 847

(

REACTOY	0F	OCCURRENCE OF	SURFACE	MIND	DIRECTION	VERSUS	WIND	SPEED
PZEH		FROM HOURL	Y OBSERVA	AT I:ON:	\$			

7-21 2	2-27	IN KNOTS 28-33	34-40		48-55	GE 56	TOTAL	ME AN WIND	
•1	* * * * *	* * * * * * * *	• • • • • •	• • • • • • •	• • • • • • • •		10.0	9.2	• • • •
• 8	<b>.</b> ų						8.1	9 • 1	
• 2							10.2	8.6	
•2							4.8	8.8	
							5.0	6.7	
							2.4	7.3	
							2.8	7.8	
							3.3	8.3	
• 5	•2						7.1	10.3	
•2	.1						9.9	10.3	
•6							7.2	10.0	
• 5	• 4						7.6	12.2	
• 5							4.5	10.0	
							4.4	8.0	
• 2							4.7	9.8	
						,		8.2	
• • • • • • • • •	* * * * * *				• • • • • • •	• • • • • •	1.5	8.8	• • • •
11/1///////////////////////////////////	111111	1111111	11/11/11/1	11111111	/////////	//////	1.4	111111	
3.9	1.1						100.0	9.2	

Ĵ

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SUITSAFETAC PERCENTAGE FROM HOURLY OF FROM HOURLY OF

AIR WEATHER SERVICE/MAC

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

* * * * * * * * * * * * * * * * * * * *	• • • • • • • • • • • • • • • • • • •		• • • • • • •	• • • • • • •	• • • • • • •	 n coden	IN KNOTS
DIPECTION ( (DEGR <sub>E</sub> S)	1-3	4 -6	7-10	11-16		22-27	
h h	.6	2 • 4	3.5	3.2	.1		• • • • • • • •
NNE	1 • 1	1.7	1.2	1.6	• 8	• 4	
NE	1 • 3	2.1	2.3	2 • 4	. 4		• 1
ENE	. 4	1.3	1.3	2.0			
ε	.5	2 • 3	2.0	1.0	• 2		
E SE	. 4	• 4	1.2	• 5			
SE	.5	• 5	1.0	• 7			
SSE	.5	• 5	2.3	• ರ			
\$	.7	• 7	1.9	3.7	• 1		
SSW	. 7	• 8	2.1	4 • 1	1.3	• 1	
SW	.7	1.0	2.7	1.9	• 6	• 2	
WSW	, 4	• 2	1.6	3.2	2.0	. 8	• 1
h	. 4	1.0	1.8	1.8	• 7	. 4	
WNW	• 2	1.0	1.2	1.1	.1		1
NW	.8	• 6	1.6	1 • 1	• 2		
NNW	• 5	1.2	1.4	1 • 4	• 1		
VARIABLE	 		2.0	1.0	• • • • • • •		• • • • • • • •
CALM	111111111	/////////	////////	91111111	////////	///////	11111111
TOTALS	9.5	17.7	31.5	31.4	6.8	1.9	• 2

TOTAL NUMBER OF OBSERVATIONS: 838

(

IND SPEED IN KNOTS 1 22-27 28-33 34-40 41-47 48-55 GE 56  .1 .8 .4 .4 .1 .2 .1 .6 .2 .0 .8 .1 .7 .4	TOTAL 2 10.3 6.7 8.6 5.0 6.0 2.4 2.6 4.1 7.2 9.2 7.2 8.4	MEAN WIND 8.9 9.9 8.7 8.9 8.0 7.9 8.1 8.3 10.7	
.8 .4 .4 .1 .2 .1 .1 .3 .1 .6 .2 .0 .8 .1	6.7 8.6 5.0 6.0 2.4 2.6 4.1 7.2 9.2 7.2	9.9 8.7 8.9 8.0 7.9 8.1 8.3 10.7	•••
.4 .1 .2 .1 .1 .3 .1 .6 .2 .0 .9 .1	8.6 5.0 6.0 2.4 2.6 4.1 7.2 9.2 7.2	8.7 8.9 8.0 7.9 8.1 8.3 10.7	
.2 .1 .3 .1 .6 .2 .0 .9 .1	5.0 6.0 2.4 2.6 4.1 7.2 9.2 7.2	8.9 8.0 7.9 8.1 8.3 10.7 11.4	
.1 .3 .1 .6 .2 .0 .8 .1	6.0 2.4 2.6 4.1 7.2 9.2 7.2	8.0 7.9 8.1 8.3 10.7	
.1 .3 .1 .6 .2 .0 .8 .1	2.4 2.6 4.1 7.2 9.2 7.2	7.9 8.1 8.3 10.7	
.3 .1 .6 .2 .0 .8 .1	2.6 4.1 7.2 9.2 7.2	8.1 8.3 10.7 11.4	
.3 .1 .6 .2 .0 .8 .1	4.1 7.2 9.2 7.2	8.3 10.7 11.4	
.3 .1 .6 .2 .0 .8 .1	7.2 9.2 7.2	10.7 11.4	
.3 .1 .6 .2 .0 .8 .1	9•2 7•2	11•4	
.6 .2	7.2		
.0 .8 .1			
	8.4	10.2	
.7 .4	0.4	14.4	
	6.0	11.5	
.1	3.6	9 • 1	
•2	4.3	8.4	
. 1	4.7	8-• 7	
••••••••••••••••••	3.1	9 • 5	* • •
	1.0	111111	
.8 1.9 .2	100.0	9.8	

<u>...</u>j

USAFETAC AIR WEATHER SERVICE/MAC

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SUR FROM HOURLY OB

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

• • • • • • • • • • • • • • • • • • • •	) • • • • • • • • • • • • • • • • • • •	· • • • • • •		• • • • • • • • • •	ъ в в в в в в в в в в в в в в в в в в в	n spen	TN KNOTS
DIRECTION   (DEGREES)	1-3	4 -6	7-10	11-16			28-33
	,				• • • • • • •	• • • • • • •	
N I	\ .8 	2 • 3	4.9	2.5	• 1		
NNE	1	2.2	1.4	1.6	1 • 1		
NE	1.1	1.2	2.6	1.8	. 8	• 1	
E NE	j •	1 • 8	1.4	1 • 4			
£ i	i .7	1 • 4	1.6	. 8			
ESE	.4	1.6	1.0	• 7			
SE I	.5 I	1.0	1.8	• 2			
\$ \$ E	i .4	• 6	1.1	1.4			
S	.6	1.1	2.8	2.9	• 1	•2	
SSW	6,6	• 8	2.8	3.8	1.2	. 1	
SW I	.2	1.6	2.2	2.5	• 1		
KSM	.5 I	• 6	2.4	3.9	2.2	1.0	
W	 	1.1	1.0	1.6	1.9	•5	
k NW	. 4 	• 6	1.4	1.4		• 1	
NW I	.2	• 5	1.3	• 7	. 4		
NNW	.5	• 7	1.8	1 • 4			
VARIABLE	;	,	2.2	2		• • • • • •	•••••
CALM		r:111111	11111111.	111111111	11111111	1111111	111111111
TOTALS	7.9	18.9	33.5	29.1	6.9	2.0	
		• • • • • • •			, • • • • • • • • •		• • • • • • • • •

TOTAL NUMBER OF OBSERVATIONS: 836

JK	PERIOD OF RECORD: 75-7	6 90 <u>-</u> 07		
zn	MONTH: MAY HOURS (LST)	: 1500-	1700	
	SPEED IN KNOTS			
l a	22- <sub>2</sub> 7 28-33 34-40 41-47 48-55 GE 56	TOTAL *	MEAN Wind	
1		10.6	8.3	
1		7.1	9 • 2	
8	•1	7.7	9.8	
		4.7	8.6	
		4.5	7.0	
		3.6	7.0	
		3.5	6.8	
		3 • 5	8.8	
. 1	•2	7.7	10 • 1	
2	•1	9.3	11.0	
1		6.6	9.5	
. 2	1.9	10.5	13.4	
. 3	• 5	5.3	12.2	
	.1	3.9	9.8	
, 4		3.1	9.7	
		4.4	8.7	
		2.4	9.0	
1111	7//////////////////////////////////////	1.7	111111	
9	2.0	100.0	9.6	
		• • • • • •	•••••	

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF USAFETAC PROM HOURLY FROM HOURLY

AIR WEATHER SERVICE/MAC

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION   (DEGREES)	1-3	4 -6	7-10	11-16		D SPEED 1 22- <sub>2</sub> 7	28-3
N 1	3.2	3 • 6	3.2	1.1	, <b></b>	, • • • • • • •	,
NNE	2.2	2 • 2	• 7	1.3			
NE	1 • 1	1 • 1	2.4	• 4	• 1		
ENE	1.0	1.7	• 7	٠ 4			
E !	1.1	1 • 1	• 7	• 3			
ESE	1 • 4	• 3	• 3	• 1			
SE ]	1.0	1 • 1	• 6	• 1			
SSE	. 8	1 • 1	1.4	• 6			
S	1 • 4	1.8	4.1	2.0	• 3		
SSW	.7	2.0	3.6	3.4	. 4		
SW	1 • 1	1.3	1.8	1 • 7			
wsw	• 3	1.1	3.1	2.7	1.7	• 4	
W	1.5	1 • g	2.7	1.5	• 1		
RNA	1 • 1	• 4	• 3	• 6			
NN	. 6	1.1	• 7	• 8			
IV IV I	1 • 1	2.5	2.1	• 7			
VARIABLE	•••••	• • • • • • • •	.6	******	<b>P • • • • • • • •</b>		••••
CALM ,	///////////////////////////////////////	////////	11111111	111111111	(11111111	/////////	////
TOTALS	19.8	24 • 4	28.9	17.7	2.7	• 4	

TOTAL NUMBER OF OBSERVATIONS: 713

D UK		PERIOD MONTH:	MAY I	): 75 10URS(LS	-76,80-87 Ta): 1800-	2000
wind speed in -21 22-27 28	KNOTS 3-33 34-40	41-47	48-55	GE 56	TOTAL *	MEAN WIND
• • • • • • • • • • • • • • • • • • •		), <b>* * * * * * *</b>	• • • • • • • • •		11.2	5.8
					6.5	6.0
• 1					5.2	7.0
					3.8	5.4
					3.2	5,6
					2.1	4 • 1
					2.8	5 • 2
					3.9	6.5
• 3					9.5	8.0
<u>.</u> 4					10.1	9.3
					5.9	8.0
1.7 .4					9.3	11.8
•1					7.7	7.4
					2.4	6 • D
			•		3.2	7.2
					6.5	6 • 4
• • • • • • • • • • • • • • •		• • • • • •	• • • • • • • •	• • • • • •		9.3
///////////////////////////////////////	1111111111111		///////////////////////////////////////	7///////	6.2	111111
2.7 .4					100.0	6.9
	• • • • • • • • • • • • •		<del>.</del>			

O

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE O USAFETAC FROM HOUR

AIR WEATHER SERVICE/MAC

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

• • • • • • • • • • • • •	• • • • • • • •		• • • • • • •	• • • • • • • •		D SPEED IN K
DIRECTION (OEGRES)	1-3	4-6	7-10	11-16		22-27 28-
N	4.1	2 • 6	1.6	1.1	• • • • • • •	• • • • • • • • • • •
NNE	3.0	3 • 6	1.3	• 7		
NE	2.4	2 • 8	. 9	• 3		
FNE	. 6	• 6	• 7	• 3		
E	1.0	1.0	• 6	. 4		
ESE	1.3	• 7	• 3			
SE	• 3	• 6	• 1	• 1		
SSE	.6	1.1	. 3	• 6		
S	1.C	3 • 1	4.3	1 • 3		
SSW	1.6	2 • 1	3.8	2.3	• 1	• 3
SW	3.g	2 • 6	2.3	1.6		
WSW	2.0	1.4	2.3	2 • 1	• 1	
w	2.0	1 • 8	• 6			
<b>UNW</b>	1 - 1	• 4	• 4			
NW	1.8	• 7	. 7			
NNW	.9	1 • 3	1.3	. 4		
VARIABLE	' ' *	• • • • • •	• • • • • • • •	• • • • • • • •	• • • • • • • •	• • • • • • • • • • • •
CALM	;   / / / / / / / / / / / .	////////	11/1/1///	///////////////////////////////////////	///////	///////////////////////////////////////
TOTALS	1			11.2		
	•••••	• • • • • • •	• • • • • • •			• • • • • • • • • •

704 TOTAL NUMBER OF OBSERVATIONS:

C

(

C

OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND FROM HOURLY OBSERVATIONS	SPEED		)	
K PEPIOD OF RECORD: 75-76,81-87 MONTH: MAY HOURS(LST): 2100-2300			0	
MONTH: MAY HOURS(LST	): 2100-2	2300	l	
4-IND SPEED IN KNOTS 22-27 28-33 34-40 41-47 48-55 GE 56	TOTAL %	MEAN Wind	0	
)	9.4	5,5	ا كني " المجهلة	
	8 • 5	5.1		
•	6 • 4	4.6	جرد ش	
	2.1	59		
	3.0	5.7	<b>)</b>	
	2.3	3.6	***	
	1.1	5.6	`	
	2.6	6.0	)	
	9.7	7.2	***	
•1 •3	10.2		<b>()</b>	
•1 •3	9.4	8.3	) !	
•		6.1		
•1	8.0	7.7		
	4.4	4 • 1	.)	
	2.0	3.8		
	3.3	3.9	. ) :	
	3.8	6.3	) :	
	•••••		; ;	
	13.9	111111		
•3 •3	100.0	5.2	$\circ$	
	•••••		$\circ$	•
			• • • • • • • • • • • • • • • • • • • •	,
			0	;
				٠.

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SUUSAFETAC FROM HOURLY C

AIR WEATHER SERVICE/MAC

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

	• • • • • • • • • • • • • • • • • • •		• • • • • • • •	• • • • • • • • • • • • • • • • • • • •		• • • • • • •	
DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	WIN 17-21	D SPEED 1 22-27	
N	2.1	2.9	3.2	2.0	-1	• • • • • • • •	• • • • • • •
NNE	1.9	2 • 6	1.9	1 • 1	• <b>4</b>	• 1	
NE	1.3	2 • 1	2.7	1 • 4	• 2	• 0	• 0
ENE	.7	1.5	1.3	. 7	• 0		
E	1 • 1	1 • 4	1.0	• 5	• 0		
ESE	.8	• 7	•6	• 3			
SE	.5	• 7	• 8	• 4			
SSE	.6	<b>9</b> •	1.1	• 7			
S	1.0	1.5	2.7	2.2	• 2	•1	
SSW	, [ ម	1 • 4	3.4	3.4	• 5	• 1	;
SW	1 • 2	1 • 6	2.0	2 • 2	• 2	•0	
WSW	1.0	. 9	2.0	2.6	• 9	. 3	• 0
и	1 1 2	1.2	1.2	1.0	• 3	• 1	
KNN	.7	• 9	.8	• 7	• 0	•0	
NM	8.	• 7	1.2	• 7	• 1		
WNW	.7 	1.3	1.7	• 9	•0		
VARIABLE	· • • • • • • • • • • • • • • • • • • •	.0	8	• 2	• • • • • • •	• • • • • • •	• • • • • • •
CALM	111.717111	/////////	17111111	111111111	///////	11111111	//////
TOTALS	16.3	22 • 1	28.2	20.8	3 • 1	.7	• C

X       NTND         1       10.3       7.1         1       1       8.0       7.1         1       2       0       7.7       7.6         1       4.2       7.0       7.0         1       2.3       5.7       2.4       6.7         2       1       7.6       8.8       8.8         2       .1       7.6       8.8       8.8       9.7       7.2       8.5       9.7       9.6       9.7       9.7       2.2       8.5       9.7       9.6       9.7       10.9       9.2       8.5       9.3       .0       7.7       10.9       9.2       1.0       9.2       1.0       9.2       1.0       9.2       1.0       9.2       1.0       9.2       1.0       1.0       9.2       1.0       1.0       9.2       1.0<	UK	•••••	<u> </u>	·••••••	MONTH:		HOURS (LS	-76,8D-87	
1.4       .1       8.0       7.1         1.2       .0       .0       7.7       7.6         1.0       4.2       7.0       7.0         1.0       2.3       5.7       2.4       6.7         1.1       3.2       7.2       2.2       4.6       7.7       2.4       6.7       2.2       2.2       7.6       8.8       8.8       8.5       9.7       7.2       8.5       9.7       9.6       9.7       9.2       8.5       9.3       9.0       7.7       10.9       9.2					41-47	48-55	GE 56		
7.7 7.6  1.0 7.7 7.6  1.0 7.7 7.6  1.0 7.7 7.6  1.0 7.7 7.6  1.0 7.0 7.0  1.0 7.7 7.6  1.0 7.0 7.0  1.0 7.7 7.6  1.0 7.0 7.0  1.0 7.2 8.5  1.0 7.7 10.9  1.0 7.2 8.5  1.0 9.6 9.7  1.0 9.2  1.0 9.2  1.0 9.2	.1	• • • • • • •		• • • • • •	• • • • • • •	• • • • • • • •	• • • • • • •	10.3	7.1
10	. 4	•1						8.0	7.1
3.9 6.1 2.3 5.7 2.4 6.7 3.2 7.2 2 .1 7.6 8.8 5 .1 9.6 9.7 2 .0 7.2 8.5 9 .3 .0 7.7 10.9 3 .1 5.1 8.0 0 .0 3.1 7.2 1 3.5 7.5 0 4.5 7.3	• 2	• 8	• 0					7.7	7.6
2.3 5.7  2.4 6.7  3.2 7.2  2 .1 7.6 8.8  5 .1 9.6 9.7  2 .0 7.2 8.5  9 .3 .0 7.7 10.9  3 .1 5.1 8.0  0 .0 3.1 7.2  1 3.5 7.5  0 4.5 7.3	•0							4.2	7.0
2.4 6.7 3.2 7.2 2 .1 7.6 8.8 5 .1 9.6 9.7 2 .0 7.2 8.5 9 .3 .0 7.7 10.9 3 .1 5.1 8.0 0 .0 3.1 7.2 1 3.5 7.5 0 4.5 7.3	• 0							3.9	6.1
3.2       7.2         2       .1       7.6       8.8         5       .1       9.6       9.7         2       .0       7.2       8.5         9       .3       .0       7.7       10.9         3       .1       5.1       8.0         0       .0       3.1       7.2         1       3.5       7.5         0       4.5       7.3          1.0       9.2         ////////////////////////////////////								2.3	5.7
2       .1       7.6       8.8         5       .1       9.6       9.7         2       .0       7.2       8.5         9       .3       .0       7.7       10.9         3       .1       5.1       8.0         0       .0       3.1       7.2         1       3.5       7.5         0       4.5       7.3          1.0       9.2         ////////////////////////////////////								2.4	6.7
5       .1       9.6       9.7         2       .0       7.2       8.5         9       .3       .0       7.7       10.9         3       .1       5.1       8.0         0       .0       3.1       7.2         1       3.5       7.5         0       4.5       7.3         7       .0       100.0       7.3								3.2	7.2
2       .0       7.2       8.5         9       .3       .0       7.7       10.9         3       .1       8.0         0       .0       3.1       7.2         1       3.5       7.5         0       4.5       7.3         1.0       9.2         ////////////////////////////////////	• 2	•1						7.6	8.8
9 .3 .0 7.7 10.9 3 .1 5.1 8.0 0 .0 3.1 7.2 1 3.5 7.5 0 4.5 7.3	. 5	•1						9•6	9.7
3 .1 5.1 8.0 0 .0 3.1 7.2 1 3.5 7.5 0 4.5 7.3	• 2	•0						7.2	8,5
0 .0 3.1 7.2 1 3.5 7.5 0 4.5 7.3 1.0 9.2 1////////////////////////////////////	• 9	. 3	• 0					7.7	10.9
1       3.5       7.5         0       4.5       7.3         1.0       9.2         ////////////////////////////////////	. 3	• 1						5.1	8.0
0 4.5 7.3 ···································	0	•0						3.1	7.2
1.0 9.2  ///////////////////////////////////	1							3.5	7.5
1.0 9.2 ////////////////////////////////////	• 0	t						4.5	7.3
//////////////////////////////////////	• • • •	• • • • • • •	•••••	• • • • • • •	• • • • • •	• • • • • • •	· • • • • • • •	1.0	9.2
1 .7 .0 100.0 7.3	11111.	/////////	1/////	////////	(1111111	/////////	1111111		
• •	. 1								
		• • • • • • •	•••••	• • • • • • •	•••••	• • • • • • •	. • • • • • •	•••••	

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF USAFETAC PERCENTAGE FROM HOURLY FROM HOURL'

AIR WEATHER SERVICE/MAC

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION   (DEGREES)	1-3	4-6	7-10	11-16		0 SPEED 22- <sub>2</sub> 7	
N	3.1	1.0	•7	6		• • • • • •	••••
NNE	1 • <sup>9</sup>	2 • 8	1.6	• 3			
NE !	2.8	2 • 2	3.5	• 7			
ENE	1.5	• 6	1.7				
E	1.0	• 3	•6				
ESE	• 3	• 3					
SE	.7		• 3				
SSE	• 3	. 4	• 3	• 1			
s	2.3	1.0	1.2	. 3			
SSW	3.2	4 • 5	2.0	1.2			
SW I	4.2	4 • 2	1.6		• 1		
wsw	2.9	2 • 8	3.2	1.6			
W	4 • 1	2.0	1.2	• 6			
KNW ]	2.0	. 9	• 3	. 1			
NW I	1 • 3	2.0	1.0				
W W W	. 7	1.6	. 3	. 1			
VARIABLE	.1	• • • • • •		• • • • • • • •	• • • • • • •	• • • • • •	••••
CALII	/////////	////////	/////////	1411111111	////////	1111111	///
TOTALS	32,5	26 • 6	19.5	5.7	. 1		

TOTAL NUMBER OF OBSERVATIONS: 687

(

C

(\_

1

€

(

MONTH:	OF RECORD	: 75 OURS(LS	-76,80-86 T): 0000-	-0200	• • •
** WIND SPEED IN KNOTS 21 22-27 28-33 34-40 41-47	48-55	GE 56	TOTAL	MEAN WIND	
	••••••	* • • • • •	5.4	4.5	• • •
•			6.6	5.2	
•			9.2	6.1	
			3.8	5.7	
			1.9	4.4	
:			• 6	3 • 3	
			1.0	4.0	
			1.2	6.0	
			4.8	5.0	
			10.9	5.6	
• 1			10.2	4 . 6	
			10.5	6.6	
			7.9	4.5	
			3.3	3.9	
			4.4	4.9	
			2.8	4.9	
******************	• • • • • • • • •	• • • • • •	• • • • • • • • • • • • • • • • • • • •	1.0	• • •
///////////////////////////////////////	111111111	11141	15.6	/////	,
. 1			100.0	4.4	
	• • • • • • • •	•••••	•••••	•••••	• •
					(
					(

AIR WEATHER SERVICE/MAC

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF USAFETAC PERCENTAGE FREQUENCY OF OCCURRENCE OF FROM POURLY

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

* . * * * * * * * * * * * * * * * * * *						D SPEED	ÎN KNO
DIRECTION (DEGREES)	1-3	4 -6	7-10	11-16			
N	2,3	1.7	•9	. 4		• • • • • •	
NNE	3.2	3 • 0	1.6	• 1			
NE	1.9	2 • 6	2.7	1 • G			
E NE	1.4	. 9	• 9				
ξ	.6	• 1	• 3				
E SE	. 6	• 1	. 3				
SE	.7	٠ 4	.1				
SSE	• 3	• 3		•			
S	1.4	1 • 7	2.1	• <b>4</b>			
5 <b>5 W</b>	3.2	2 • 4	2.0	1.1			
SW	3.4	3 • 6	3.2	. 3	• 1		
WSW	3.9	1 • 7	3.7	1.1			
¥	3,2	1 • 6	2.7	. 7			
WNW	1 • 3	1 • 3	• 3				
NW	1.9	1.7	.9	• 3			
иия	.7	. 7	• 6				
VARIABLE	1 • • • • • • • • • • • • • • • • • • •		****		• • • • • • •		• • • • • •
CALM	  ///////////////////////////////////	1111111	11111111	(/////////	11111111	1111177	//////
TOTALS	29.8	23.9	22.2	5.6	• 1		-
* * * * * * * * * * * * * * * * * * * *	• • • • • • • • •	• • • • • • •	• • • • • • •	• • • • • • • •	• • • • • • •	• • • • • • •	

TOTAL NUMBER OF OBSERVATIONS: 698

()

(

(

(

(

RD UK		MONTH:	NUC	HOURS(LS)	-76,80-86 (): 0300-	0500
WIND SPEED ÎN 7-21 22- <sub>2</sub> 7 2	8-33 34-40	41-47	48-55	GE 56	TOTAL	MEAN Wean
• • • • • • • • • • • • • • • • • • • •	* * * * * * * * * * * * * *	• • • • • • • •	• • • • • • •		5.3	4.8
					7.9	4.7
					8.2	6.4
					3.2	4.5
					1.0	4.0
					1.0	4.4
					1.3	3.3
					• 6	4.0
					5.7	6.0
					8.7	5.8
• 1					10.6	5 • 3
					10.5	6.1
					8 • 2	5.7
					2.9	3.9
					4.7	4.7
					ޕ0	5.3
• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • •	• • • • • • •		• • • • • • • •	• • • • • • • •	•••••
(//////////////////////////////////////	//////////////////////////////////////	//////////////////////////////////////	(1/1/1/4	////////	18.3	111111
. 1					100.0	4.4
	••••••		• • • • • • •			

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUÉTICY OF OCCURRENCE OF SU USAFETAC PERCENTAGE FREQUÉTICY OF OCCURRENCE OF SU FROM HOURLY O FROM HOURLY O

AIR WEATHER SERVICE/MAC

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

• • • • • • • • • • • • • • • •		• • • • • •	• • • • • • •	• • • • • • • •	WIND SPEED IN KNOTS
OIRECTION   (DEGR <sub>EE</sub> S)	1-3	4 -6	7-10	11-16	
N	2.3	2 • 6	2.3	. 8	• • • • • • • • • • • • • • • • • • • •
NNE	2•4	2.3	1.2		
NE	2.8	3 • 2	3.0	1.9	
E NE	.9	1 • 8	1.1	• 5	
E	1.8	• 8	.8		
F S E	• 1		• 7		
SE	• 3	• 8	•1	• 3	
SSE	• 1	• 4	• 1	• 1	
S	.7	1 + 1	2.0	• 9	
SSW	1.5	2 • 3	3.0	1 • 8	• 1
54	2.3	3.4	5.4	1.9	•1
พรพ	2.3	2 • 6	4.0	2 • 4	. 3
W	2 • 2	1.1	1.8	1.1	
KNM	.5	1.2	• 9	. 8	• 1
હિલ	. 4	1.2	3.	• 9	
enw	.5	1 • 2	1.8	• 5	
VARIABLE	· · • • • • • • • • • • • • • • • • • •			. 1	• • • • • • • • • • • • • • • • • • • •
CALM	11/1/1////	1111111	11111111	///////////////////////////////////////	111111111111111111111111111111111111111
TOTALS	21.2	25 • 9	29.6	14.2	• 7
			• • • • • • •	• • • • • • • •	

TOTAL NUMBER OF OBSERVATIONS: 742

U

C

UK PERTOD OF RECORD: 7 MONTH: JUN HOURS(L WIND SPEED IN KNOTS	75-76,80-86 ST): 0600-	
21 22-27 28-33 34-40 41-47 48-55 GE 56	TOTAL %	ME A N WIND
***********************************	8.0	5,9
	5.9	4.5
	10.9	6.4
	4.3	6.3
	3.4	4 • O
	.8	6 • 8
	1.5	6.2
	8.	6.2
	4.7	7.8
•1	8.6	7.6
•1	13.1	7.2
• 3	11.6	7.6
	6.1	6 • 2
•1	3.6	7.6
	3.4	7.4
	4.0	7.1
• • • • • • • • • • • • • • • • • • • •		9.2
	8.5	111111
• 7	100.0	6.2
• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • •	• • • • • • • • • • • •

USAFETAC

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF FROM HOURLY

AIR WEATHER SERVICE/MAC

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION   (DEGREES)	1-3	4-6	7-10	11-16		SPEED IN KNO 22-27 28-33
N	.9	1.7	2.9	• 8	• • • • • • • •	• • • • • • • • • • •
NNE	1 • 2	3 • 2	2.3	• 5		
NE	1.5	1.6	3.3	2.0	• 1	
E NE	.9	1.5	1.6	1.2		
٤	1.5	1 • 2	1.1	• 1		
E S E	.5	• 8	• 9	• 1		
SE	• 1	• 3	•8	. 8	•	
S SE	• 1	• 1	• 9	. 4		
S	. 4	1.3	1.7	2.3	.1	
SSW	• 3	1.5	2.9	2.9	• 3	• 1
SW	• 9	1.7	5.1	2.4	• 4	
W S W	.8	1.3	4 • 1	4.9	• 7	
k	.8	1.3	2.4	2 • 3	• 5	
hNW	.7	. 4	2.4	1.6		
ин	.7	1.6	2.9	• 6		
NNW	.5	. 9	2.0	8•		
VARIABLE	 			• 5	• • • • • • • •	
CALM	///////////////////////////////////////	////////	11/1/1/1/	///////////////////////////////////////	/////////	(//////////////////////////////////////
TRIALS	11.9	20 • 6	39.3	24.7	2.1	•1
• • • • • • • • • • • • • •	; • • • • • • • • • • •					

TOTAL NUMBER OF OESERVATIONS: 749

			9	·
OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND FROM HOURLY OBSERVATIONS	SPEED			The state of the s
UK PERIOD OF RECORD: 75- MONTH: JUN HOURS(LST			)	and the state of t
wIND SPEED IN KNOTS	• • • • • • •	• • • • • • • • • • • •	• )	
1 22-27 28-33 34-40 41-47 48-55 GE 56	TOTAL	MEAN WIND	J	n pages, Marchael and C
	6.4	6.9	~~~	A CAMPER OF
	7.2	6.1	3	
• 1	8.5	7.6	Ĵ	Al In the Manager
	5.2	7.2	_	e de la constante de la consta
,	3.9	4 • 9	j	1 1 1
	2.4	5.9	)	
	2.0	9 • 1		}
4	1.6	8.3	)	}
.1	5.9	9.4	)	3
.3 .1	8.0	10 • 1		
, 4	10.5	9.0	)	-
• 7	11.9	10.3	ر	; ; ;
• 5	7.3	9 • 3		and the same of
	5.1	9.2	)	
	6.1	7.6	$\cdot$	*
	4.3	7.7		5
		•	()	
	2.3	9.2	Ō	-
	1.3	/////	, ,,,	
•1 •1	100.0	8.2	C	
•••••••••••••••••••••••		* • • • • • • • • • •	$\Diamond$	-
			()	
			0	-

AIR WEATHER SERVICE/MAC

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SUSAFETAC FROM HOURLY FROM HOURLY

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

• • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • •	• • • • • • •	• • • • • • •	• • • • • • • • •	/ * * * * * * * * * * * * * * * * * * *		
DIRECTION (DEGREES)	1-3	4 -6	7-10	11-16	17-21	SPEED 22- <sub>2</sub> 7	28-33
N	.8	2 • 2	2.0	• • • • • • • • • • • • • • • • • • • •		• • • • • •	•••••
NNE	1.3	1.9	1.2	. 9			
NE	1 • 1	2 • 2	2.3	2.0			
E NE	.7	1.1	2.2	1.3	•1		
٤	3	. 9	1.1	. 7			
F SE	.4	• 5	• 5				
SE		1.1	•7	. 8			
SSE	.7	• 7	1.2	• 4			
S	• 3	1 • 8	2.4	1.9	• 8		
SSW	. 3	. 4	2.7	2.3	• 3	• 3	· ·
รพ	• 1	1.9	2.8	3 . 8	• 7	• 1	
WSW	• 1	1.2	3-, 2	6.6	1.5	• 3	
ы	.5	1.9	2.8	2.6	• 5		
พทพ	• 1	1 • 9	2.2	2 • 4			
NW	•1	. 9	2.2	1.2			
или	.5	1.3	2.6	• 4	• 3		
VARIABLE			3,1	1.1	• • • • • • • •	•••••	•••••
CALM	/////////	/////////	////////	111111111	///////////////////////////////////////	1111111	/////
TOTALS	7.7	21 • 8	35.2	29.4	4.2	• 7	

TOTAL NUMBER OF OBSERVATIONS: 742

(

(

CNECO THE VIOTE	ST): 1200-	1400
SPEED IN KNOTS 2- <sub>2</sub> 7	TOTAL	ME AN WIND
	5.9	6.8
	5.4	6.3
	7.5	7.7
	5.4	8.6
	3.0	7.4
	1.5	5.8
	2.6	8.5
	3.0	6.8
	7.1	9.7
•3	6.2	10.7
•1	9.4	10 • 3
• 3	12.9	12.2
	8.4	9.5
	6.5	9.2
	4.4	9.0
	5 • 1	7.6
	4.6	8.9
///////////////////////////////////////	1.1	/////
• 7	100.0	9.0
	• • • • • • • • • • • • • • • • • • • •	
	•••••	

**)** 

AIR WEATHER SERVICE/MAC

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF USAFETAC FROM HOURLY

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION   (DEGREES)	1-3	4-6	7-10	11-16		SPEED IN KNO 22- <sub>2</sub> 7 28-33
И	1.6	3.1	2.4	• • • • • • • • • • • • • • • • • • • •	• • • • • • • •	• • • • • • • • • • • • •
RNE	, 4	• 8	1.9	1.1		
NE	.8	1.5	2.4	2.1	• 1	
ENE	. 4	1.3	1.2	1.2		
٤	1.5	• 5	2.1	. 7		
ESE	٠3	• 8	• 1	• 3		,
SE	•4	• 1	• 5	. 4		
SSE	. 5	• 8	1.1	4		
s	.4	1.9	2.8	1.6	• 7	
SSW	.4	• 7	2.5	2.4	• 4	
Svi	.4	1.3	3.4	3.9	• 9	•.1
WSW	• 3	1.2	2.5	5.5	2.0	
W	4	1.7	4.3	3.5	• 7	
w N W	.7	• 7	2.8	2.7	• 3	
ИМ	.7	• 5	2.3	• 9	. 1	
MMM	.4	1.3	2.4	• 7		
VARIABLE	· · · · · · · · · · · · · · · · · · ·		1.3	. 8		••••••
CALM	1////////	///////	(////////	(19111111	11111111	///////////////////////////////////////
TOTALS	9.5	18 - 4	36.2	29.1	5.2	• 1

TOTAL NUMBER OF OBSERVATIONS: 746

1

C

D UK PERIOD OF RECORD: MONTH: JUN HOURS (	75-76,80-86 (LST): 1500-1	700
WIND SPEED IN KNOTS -21 22-27 28-33 34-40 41-47 48-55 GE 5	6 TOTAL	MEAN WIND
* • * * • • • • • • • * • • • • • • • •	8.0	6,2
	4.2	8.3
• 1	7.0	8.4
	4.2	8.0
	4.8	6.7
	1.5	6.5
	1.5	7.5
	2.8	6.9
•7	7 • 4	9.1
• <b>4</b>	6 • 4	9.9
•9 •1	10.1	10.7
2.0	11.5	12.1
.7	10.6	9 9
•3	7 • 1	9.6
•1	4.6	8.7
	4.8	7.6
	2.1	9.3
///////////////////////////////////////	// 1.5	111111
5.2 .1	100.0	8.9

.. ...

USAFETAC

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF FROM POURLY

AIR WEATHER SERVICE/MAC

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION   (DEGREES)	1-3	4 -6	7-10	11-16		SPEED 22-27	
N	1.8	4.7	2.2	. 2	• • • • • • • •	• • • • • •	• • • • •
N'NE ]	1.5	2.3	1.3	• 3			
NE !	1.5	2.0	3.3	1.0			
E NE	1.0	1.8	1.5				
E !	1.0	1.2	1.5	• 5			
E SE	.8	• 8	•2				
SE 1	• 3		• 7	• 2			
SSE	1 • 2	• ?	• 7	• 2			
S	1.3	2.0	2.7	1.8	. 3		
s s w	.5	4.0	2.7	1.0			
SW I	• 2	• 8	2.0	1 • 7	• 3		
wsw	. 7	1 . 8	4.0	5.7	1.0		
w I	1 • 2	4.0	2.0	1.2			
www	1 • 3	1.0	3.0	1.3			
NH	1.0	2.0	2.7	1.0			
NNU	.5	1.3	1.5	• 5			
VARTABLE	* , , , , , , , , ,			• 2	• • • • • • •		• • • • •
CALM	////////	////////	11111111	11.11.11.11	////////	//////	//////
TOTALS	15.8	30 • 1	32.6	16.6	1.7		

Tetal number of observations: 601

LENCY	0F	OCCURRENCE	0F	SURFACE	WIND	DIRECTION	VERSUS	WIND	SPEED	
		FROM HO	URL'	Y OBSERVA	ATIONS	S				

					Ċ
	PERIOD OF RECO	RD: 75	-76,80-86 T): 1800-	2000	•
			ere e e éjére é ê	• • • • • • • • • • • • • • • • • • • •	···· )
	41-47 48-55	GE 56	TOTAL %	MEAN WIND	)
••••••••••••••••••••••••••••••••••••••	• • • • • • • • • • • •	••••••	8.8	5.1	· • • •
8			5.5	5.6	3
3			7.8	7 • 1	3
			4.3	5.7	
			4.2	6.0	)
			1.8	4.0	د
			1 • 2	8.3	,
2			2.3	5.2	)
3			8.2	8.0	)
			8.2	7.0	)
• 3			5.0	10 • 2	اس. ا
7 1.0			13.1	10.7	)
-			8.3	6.4	,
?			6.7	7.3	)
			6,7	7.1	• )
E			3.8	7.3	′)
<u> </u>			1.0	8.8	
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;	111111111	3.2	111111	()
5 1.7			100.0	7.1	()
•••••••••••••	• • • • • • • • • • •			•••••	
					·
					0

J

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF ! USAFETAC PROM HOURLY

AIR WEATHER SERVICE/MAC

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION   (DEGREES)	1-3	4 -6	7-10	11-16	17-21	ND SPEED 22-27	28-
N	2.9	2.9	1.5	• 3			••••
NNE	1.9	2 • 6	2.3	• 2			
NE !	1 • 9	1 • 1	2.7	1.5			
ENE	1.0	1 • 6	1.1	• 2			
ε !	. 8	• 5	•5				
FSE	, <b>,</b> S		• 3				
SE	1.0	• 2					
SSE	. 8	• 8	• 5				
s !	1.6	2 • 6	1.3	1 • 0			
SSW	3.2	3 • 7	.8	1 • 1			
SW I	2.3	5.0	3.7	8 •			
W S W	1 • 1	3 • 4	2.9	1.5			
W [	1.6	3 • 1	1.5	• 2			
<b>พพ</b> พ	1.5	1 • 3	• 3	• 2			
NII	1 • 1	2 • 6	•8	. 2			
NNW ]	1.8	1.9	1.8	. 3			
VARIABLE	• • • • • • •	• • • • • •	,2	• 3		• • • • • •	
CALM	////////	///////	////////	111111111	1111111	///////	11111
TOTALS	25.0	33 • 3	22.1	7 • 6	,		

UK	PERIOD OF RECORD: 75-76,81-86 MONTH: JUN HOURS(LST): 2100-2300							
WIND SPEED IN KNOTS 21 22-27 28-33 34-40	41-47 48-55		TOTAL	MEAN WIND				
		• • • • • • •	7.6	4.7				
			6.9	5.6				
			7.3	7.0				
			3.9	6.2				
			1.8	4.5				
			. 8	4 • 2				
			1.1	2.7				
			2.1	4.5				
			6.5	5.8				
			8.9	5,4				
			11.8	6.0				
			8.9	7.1				
			6.3	5.3				
			3.2	4 • 2				
			4.7	5.3				
			5.8	5.3				
		• • • • • • •		11.7				
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		,,,,,,,						
			12.0	,,,,,				

O

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF USAFETAG FROM HOURI

AIR WEATHER SERVICE/MAC

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

				* * * * * * * * *	• • • • • • •	
DIRECTION (DEGREES)	   1-3 	4-6	7-1Q	11-16		SPEED IN KI 22-27 28-1
N	1.9	2 • 4	1.9	. 6	* * * * * * * * *	• • • • • • • • • • • •
NNE	1.7	2.3	1.7	. 4		
NE	1.8	2 • 1	2.9	1.6	.0	
E NE	1.0	1.3	1.4	• 6	.0	
E	1.1	• 7	1.0	. 3		
ESE	!   .4	• 4	. 4	. 1		
SE	!   .4	. 4	. 4	• 3		
SSE	.5	• 5	• 6	• 2		
S	1.0	1 • 6	2.9	1.3	• 3	
SSW	1.5	2 • 3	2.4	1.8	. 1	•1
SW	1.7	2 • 7	3.4	1.9	• 4	•0
WSW	1.5	2.0	3.5	3.7	.7	•0
U	1.7	2.0	2.4	1.6	• 2	
พทพ	1.0	1.1	1.5	1.2	. 1	
IAN	.9	1.5	1.7	. 7	.0	
ими	.7	1 • 3	1.6	. 4	.0	
VARIABLE		.0	1.0	. · · · · · · · · · · · · · · · · · · ·	• • • • • • •	• • • • • • • • • • •
CALM	  ///////////////////////////////////	///////////////////////////////////////	////////	///////////////////////////////////////	////////	///////////////////////////////////////
TOTALS	18.9	24 • 7	29.9	17. G	1.8	•1

TOTAL NUMBER OF OBSERVATIONS: 5584

(

ACEUE NCY ERV	OF	OCCURRENCE FROM HO	OF URL	SURFACE Y OBSERV	WIND ATION:	DIRECTION S	VERSUS	MIND	SPEED	
------------------	----	-----------------------	-----------	---------------------	----------------	----------------	--------	------	-------	--

17-21	22-27		34-40			GE 56	TOTAL %	ME AN Wind
	• • • • • • •	• • • • • • •	• • • • • • •	é e-a e e-e e e	• • • • • • • •	• • • • • • • •	6.9	5,7
							6.2	5,7
•0							8.3	7.0
• B							4.3	6.7
							3.0	5,5
							1.3	5,4
							1.5	6.8
							1.8	6.3
• 3							6.2	7,8
• 1	• 1						8.2	7,6
• 4	• 0						10.2	7.7
• 7	•0						11.4	9.3
• 2							7.9	7.4
• 1							4.8	7,6
• ၁							4.8	6.9
•0								6,8
							1.5	
11111111	///////	//////////	/////////	////////	///////////////////////////////////////	///////	7.5	111111
1.8	.1						100.0	6,7

Ì

Ĵ

()

O

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

OIRECTION   (DEGREES)	1-3	4-6	7-10	11-16	WINE 17-21	D SPEED 22-27	IN KNOTS 28-33
N	1.9	2.0	1.0	. 1	• • • • • • •	• • • • • •	
rne l	2.6	2 • 8	1.0	• 1			
NE I	2.6	2.9	1.3	• 9			
ENE	   •9	. 9	.6				
E ]	1 ] .6	٠ 4			•		
E S E	   .4	. 3	•1				
SE !	! •	• 1					
S S T	! ! .1	• 3	.3				
S I	1.5	2 • 8	2.0	• ਜ			
S S W	3.1	6.0	2.8	2.3			
SW [	   3.9	6.0	3.7	1.0			
wsw	2.0	2.3	2.0	. 4			
W I	3.4	• 6	1.0				
HMH	1 • 3	1.0	• 3				
NH	1.3	1.3	• 6				
พทพ	.4	• 6	• 6				
v^RIABLE					•••••	. • • • • • •	••••••
CALM	1////////	////////	////////	111111111	/////////	11/1////	111111111
TOTALS	26.2	30 • 4	17.5	5.4			
• • • • • • • • • • • •			• • • • • • •			• • • • • • •	

UK	PERIOD OF RECORD: 75-76,81-86 MONTH: JUL HOURS(LST): 0000-0200							
WIND SPEED IN KNOTS 21 22-27 28-33 34-4	0 41-47 48	-55 GE	56 TOTAL	MEAN WIND				
• • • • • • • • • • • • • • • • • • • •	* * * * * * * * * * * * * * * * * * * *	••••••	5.1	4,9				
			6.6	4 . 4				
			7.7	5.4				
			2.3	4.9				
			1.0	3.7				
			• 9	4.0				
			• 1	4.0				
			• 7	6.2				
			6.7	5.8				
			14.2	6.3				
			14.6	5.4				
			6.9	5.5				
			5.0	3.6				
			2.6	3.9				
			3.2	4 • 3				
			1.6	5.5				
)		• • • • • • • •	.1	7.8				
			// 20.5	/////				
			100.0	4.2				
				7 • 2				
				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SUFFROM HOURLY OF

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • •		• • • • • • •	• • • • • • • • •	win	n speed	IN KNOTS
DIRECTION   (DEGREES)		4 -6	7-10	11-16		22-27	
N	2.a	1.1	1.4	. 3	• • • • • • • •		* * * * * * * * * *
NNE	1.3	3 • 4	1.0	• 3	• 1		
NE	2.7	2 • 1	1.7	. 6			
E NE	1.7	» 8	•7	. 1			
3	.7	• 6	• 1				l
ESE	.1	• 3					
SE I	!   		. 1				
2 S E	.7	• 1	.1	• 1			
S (	1.8	1.7	2.0	. 3			
SSW	2.1	5 • 2	3.8	2.4			
SW I	3.9	4 • 5	3.5	. 8			
พรพ	3.4	1 • 8	1.5	. 3			
w	3.8	1.8	1.0				
พทพ	1.4	• 6	• 3				
NW	.4	• 6	• 1	. 1			
мим	6	• 4	1.3				
VARIABLE	: • • • • • • • • • • • • • • • • • • •		.1	· • • • • • • • • • • • • • • • • • • •	• • • • • • •	• • • • • •	
CALM	1   ////////////////////////////////////	/////////	11111111	(/////////	11111111	//////	///////
TOTALS	26.5	25.0	18.8	5.3	• 1		
• • • • • • • • • • • •				• • • • • • • • •		• • • • • •	• • • • • • •

	PERIOD OF REC MONTH: JUL	HOURS (LS	-76,80-86 T): 0300-	0500	• • •
IND SPEED IN KNOTS 22-27 28-33 34-40	41-47 48-5	5 GE 56	TOTAL	ME'AN WIND	
* * * * * * * * * * * * * * * * * * * *	• • • • • • • • • • • • •	*	4.8	5.0	• • •
1			6.0	5 • 5	
			70	5.2	
			3 • 4	4.6	
			1.4	3.7	
			• 4	3.7	
			•1	8.0	
			1 • 1	4.0	
			5.8	5.6	
			13.5	6.9	
			12.8	5 . 3	
			7.0	4.3	
			6.6	3.8	
			2.2	3.5	
			1.3	4.9	
			2.2	5.9	
• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • •	• • • • • • • • •		* 8.0	• • •
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,,,,,,,,,,,		111111	
1			100.0	4.0	
************			100.0	7 ♦ 0	
,	• • • • • • • • • • • • •	• • • • • • • •	• • • • • • • • •	• • • • • • • • • •	• • •

AIR WEATHER SERVICE/MAC

GLORAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF S USAFETAC FROM HOURLY

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

• • • • • • • • • • • • • •	. <b></b>	• • • • • •	•••••	•••••		SPEED	IN KNOT
DIRECTION (DEGR <sub>E</sub> S)	1-3	4 -6	7-1 C	11-16			
N	.9	1.7	2.1		• • • • • • •	• • • • • • •	• • • • • • •
NNE	2 • 2	1 • 7	2.1	. 4			
NE	1.3	2.9	2.3	1.0			
ENE	2,6	1 • €	1.7	. 3			
Ε	.7	• 7	• 4				
E SE	•1	• 5					
SE	. 3	, 3	• 3				
SSE	. 4	8•					
S	.9	1 • 4	3.3	1.0			
SSW	2.1	3 • 3	5.1	2.0	• 4		
SW	3.4	3 • 7	3.4	2.2			
wsw	3.0	2 • 7	2.7	1.0	• 1		
W	2.7	3.0	2.9	• 4			
WNW	.4	1.0	• 9	. 3			
NW	.8	. 4	1.4	. 7			
111111	• 3	1.2	1.0	. 8			
VARIABLE	: ••••••• ]	• • • • • •	,5	• • • • • • • •	• • • • • • •		• • • • • • •
CALM	/////////	////////	(1/1/////	111.111111	////////	///////	///////
TOTALS	22.1	26 • 8	3G•2	10.1	• 5		
	· • • • • • • • • • •						

RD UK		PERIOD LATHON	OF RECORD	75.0 URS (LS	-76,80-86 r): 0600-	0800	
WIND SPEED 7-21 22-27		4-40 41-47	48-5 <sub>5</sub>	GE, 56	TOTAL %	ME AN WIND	
	•••••		• • • • • • • • • • • • • • • • • • • •		4.7	5.7	
					6.4	5.6	
					7.6	6.7	
					6.1	5.0	
					1.7	4.2	
					• 7	4.6	
					• 8	5 . 3.	
					1 • 2	3.9	
					6.7	7.5	
<u>.</u> 4					12.8	7.6	
					12.7	6.5	
• 1					9.7	5.8	
					9 • 0	5.5	
					2.6	6.6	
					3 • 3	7.1	
					3.3	7.7	
• • • • • • • • • • • • • • • • • • • •	••••••	• • • • • • • • • • • •		• • • • • •	• • • • • • • • • • • • • • • • • • •	9.0	
///////////////////////////////////////	///////////////////////////////////////	///////////////////////////////////////	111111111	///////	10.4	1.1.1111	
• 5					100.0	5.7	
• • • • • • • • • • •	******	• • • • • • • • • • • •	•••••	• • • • • •	• • • • • • •	•••••	

€1

USAFETAC

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF FROM HOURLY

AIR WEATHER SERVICE/MAC

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

• • • • • • • • • • • • •			100000	•••••		
DIRECTION ( (DEGR <sub>EE</sub> S)	1-3	4 -6	7-10	11-16		SPEED IN KNO 2-27 28-33
N	.9	1.2	2.4	. 1	• • • • • • • • •	**********
NNE	. 4	1.4	1.2	1.2		
NE	1.4	1 • g	2.8	. 8		
ENE	. 9	2.4	2.9	1.5		
£	1.2	. 9	• 9	• 1		
E S E	.5	• 5	• 3			
SE	.6	• 3	•3	• 1		
SSE	! [ ,4	• 3	•5	• 1		
s	1.7	1.2	2.0	2.6	• 3	
SSW	1 • 3	2 • 0	3.6	3.2	. 4	
SW	1.3	2 • 8	3.8	3.1	• 9	
WSW	.4	2.0	3.7	2.8	.6	• 1
W	1 	2 • 7	5.1	1.7		
KUM	1 1 .4	1.0	2.4	1.2		
ии	. 3	1.0	2.0	1.2		
ผหห	• 3	1 • 4	1.9	1.2		
VARIABLE	   • • • • • • • • • • • • • • • • • •	, <b>, , , , , , , ,</b>	3,2			
CALM	111111111111111111111111111111111111111	11/1////	11111111	F1111111	///////////////////////////////////////	11111111111111
TOTALS	12.1	22 • 9	39.1	21.6	2.2	• 1
	·					

RF	ORD UK				PERIOD MONTH:	JUL	HOURS (L	5-76,80-86 ST): 0900-	1100	• • •
		SPEED IN 22- <sub>2</sub> 7 2	28-33				GE 56	TOTAL %	MEAN WIND	
		• • • • • • • •	•••••	• • • • • •	• • • • • • •	• • • • • • •	•••••	46	6.4	• • •
<b>.</b> ?								4.1	7.7	
4								6 8	6.4	
;								7.8	7.6	
						*		3.1	5.1	
								1.3	4.6	
								1.3	5,4	
								1.3	6.1	
	. 3							7 • 7	8.4	
	• 4							10.5	8.7	
	• 9							11.9	8.9	
	• 6	• 1						9.7	9.7	
								9.8	8.2	
								5.0	8.2	
								4.5	8.6	
								4.7	8.0	
** *		• • • • • • • •	* • • • • • •		• • • • • • •	••••	• • • • • •	4.1	9.4	• • •
, 7/,	(1111111)	'////////	111111	'//////	1.1.1.1.1.1.1	14114111	///////	/ , 1.9		
•	2.2	ž 1				•			7.9	
					•					

O

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF USAFETAC PERCENTAGE FREQUENCY OF OCCURRENCE OF FROM HOURLY

AIR WEATHER SERVICE/MAC

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIFECTION   (DEGREES)	1-3	4-6	7-10	11-16		1D SPEED 22-27	28-3
N I	.7	1.2	1.6	1.6	* * * * * * * * *	••••	, • • • • •
38.4	• 1	1 • 3	1.7	. 7			
NE	•-9	1.3	1.6	. 9			
E NE	• 3	1 • 6	3.0	. 8			
E	1.0	2 • 1	1.4	٠ 4			
E SE	. 5	1 • 0	• 3	. 1			
SE		• 4	. 4	• 7			
SSE	•1	• 4	. 4				
S	• 1	1 • 3	2.2	2.2	• 4		
SSW	. 5	1.3	2.5	2.6	. 7		
SW	• 5	1.4	3.1	3.9	1.7		
พรพ I		1 • 4	4.2	5.1	1 • 6	• 1	
W !	1.8	2 • 7	4.2	3.3			
www [	. 4	1.2	2.6	. 8			
1 WH	. 4	1 • 7	• 9	. 9	• 1		
NNW .	. 7	2.0	2.9	• 9			
VARIABLE	· • • • • • • • • • • • • • • • • • • •	, i 1	5.2		• • • • • • •	• • • • • • •	, • • • •
CALM - //	///////////////////////////////////////	////////	11111111	(1////////	///////	1111111	/////
TOTALS	8.1	22 • 5	38.1	25.6	4 • 4	• 1	

TOTAL NUMBER OF OBSERVATIONS: 766

(

1

(

11 (

i.

WIND SPEED IN KNOTS 7-21 22-27 28-33 34-40 41-47 48-55 GE 56	TOTAL % 5.0 3.8 4.7 5.6 5.0 2.0	MEAN WIND 8.0 7.7 7.1 8.0
	3.8 4.7 5.6 5.0	7.7 7.1 8.0
	4.7 5.6 5.0	7.1 8.0
	5.6 5.0	8.0
	5.0	
	2.0	6.2
	2.0	5.2
	1.4	8.9
	• 9	6 1
• 4	6.3	10 • 1
• 7	7.6	10.0
1.7	10.7	11 • 2
1.6 .1	12.4	11.6
	12.0	8.3
	5.0	8.3
• 1	4 • 0	7.8
	6 • 4	7.6
	6.1	8.9
	1.2	111111
4.4 .1	100.0	8.8

AIR WEATHER SERVICE/MAC

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION   (DEGREES)	1-3	4-6	7-10	11-16	17-21	D SPEED IN 22- <sub>2</sub> 7 2
N	. 4	1.8	2.4	1.4	• • • • • • •	• • • • • • • •
NNE		1 • 3	1.4	. 4		
NE	. 4	1 • 6	1.7	1.0		
ENE	.5	2.1	1.8	. 5		
Ε	1.0	1 • 3	22	• 1	• 1	
E SE	. 3	1.3	• 3	• 1		
SE [	• 3	• 3	•5			
SSE	• <i>t</i> q	• 7	• 4			
S I	. 9	• 7	2.0	3.7	• 1	
SSW	.5	. 8	3.0	2.1	1.2	•1
SW	1.2	1 • 8	2.1	3.3	• 5	
WSW	.5	• 7	3.9	8.7	1.7	• 3
 	. 5	2 • 6	4.3	5.1	• 4	
MMM	1.0	1.2	2.2	. 9		
NW	. 7	1.0	1.6	. 8	• 3	
NNW	. 4	1.8	2.5	. 3		
VARIABLE	•••••	• • • • • • •	2.6	. 8	• • • • • •	•••••
CALM I	111111111	/////////	'/////////	///////////////////////////////////////	////////	7//////////
TOTALS	9 <b>.</b> g	21.0	35.0	29.2	4.3	. 4

TOTAL NUMBER OF OBSERVATIONS: 763

UK	•••••••	PERI MÓN	OD OF RE	CORD: HOURS	75-7 (LST)	6,80-86 : 1500-	1700	
21 22-;	EED IN KNOTS 27 28-33	34-40 41-	47 48-	55 GE	56	TOTAL	MEAN Wind	
• • • • • • • •	• • • • • • • • • • • • •		• • • • • • •	•••••		6.0	8.0	. • • • •
						3.1	7.8	
						4.7	7.5	
						5.0	6.9	
• 1						4.8	6.6	
						2.0	5.7	
						1.0	5.9	
						1.4	5.3	
• 1						7.3	10 - 1	
1.2	•1					7.7	11.0	
• 5						8.9	9.6	
1.7	• 3					15.7	12.1	ı
• 4						13.0	9.7	
						5.4	7.4	
• 3						4.3	8.4	
						5.0	7.3	
• • • • • • • • • • • • • • • • • • • •		• • • • • • • • • • • • • • • • • • • •	• • • • • • •	• • • • • •	• • • • •	* * * * * * *	*	
/////////	!////////////////////////////////////	///////////////////////////////////////	,,,,,,,,,,	,,,,,,,,	111	3.4 1.0	9.5	1
4.3	.4		,,,,,,,,,	,,,,,,,	,,,	100.0		
, <b>, ,</b> ,						100.0	9.0	!
			<b>~ * * * * * *</b> * * *	• • • • • • •	••••		• • • • • • •	,
								1
						-		

AIR WEATHER SERVICE/MAC

4

(

1

1 (

(

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF USAFFTAC FROM HOURLY FROM HOURLY

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • •	• • • • • • •	•••••		• • • • • • • • • • • • • • • • • • •	SPEED	* * * * * * TAL 1/ 6//
DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22- <sub>2</sub> 7	
	2.3	2 • 2	1.8	. 5	• • • • • • • •	• • • • • •	• • • • •
DINE	1.7	3.0	2.0				•
NE	1.2	1 • 8	1.7	. 3			-
ENE	1.3	1 • 3	1.2	. 2			
E	.3	1.0	1.3				
ESE	.5	• 7	.5				
SE	.8	• 3	•2				
SSE	1 1	• 3	• 5				
S	1.0	1.2	2.6	2.0	. 5		
SSW	8,	• 8	3.3	• 8			
SW	.3	1.5	4.8	3.0			-
ИSW	.7	3 • C	6.5	7 • 1	• 2		
W	1.3	3 • 1	3.5	2.0			
n na	1.0	2 • 6	1.2	• 2			
NW	1.7	1.2	1.7	• 3			
MNM	1.7	1.8	3.1	• 5			
V/RIABLE				• • • • • • •	• • • • • • • •		••••
CALM	<i>////////////////////////////////////</i>	1111111	////////	/////////	///////////////////////////////////////	//////	/////
TOTALS	16.6	25.8	35.9	16.9	. 7		
• • • • • • • • • • • • • • •				*** * * * * * * * *			• • • • •

WIND SPEED IN KNOTS	PERIOD OF RECORD: 75- MONTH: JUL HOURS(LS)		
WIND SPEED IN KNOTS 17-21 22-27 28-33 34-4	40 41-47 48-55 GE 56	TOTAL %	MIND Wean
		6.8	5,5
		6.6	5.1
		5.0	5.7
		4.0	5.2
		2.6	6.2
		1.7	5 " 2 .
		1.3	4 • 1
		. 8	7.0
• 5		7 • 3	9.0
		5.8	7.8
		9.6	9.2
• 2		17.4	9.7
		9.9	7.4
		5.0	5.5
		4.8	5.7
		7 1	6.5
		•2	10.0
		4.1	111111
• 7		100.0	7.0
* • * • • • • • • • • • • • • • • • • •		• • • • • • •	••••••

O

Ŋ

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SUI USAFETAC FROM HOURLY OF

AIR WEATHER SERVICE/MAC

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION (DESREES)	1-3	4 -6	7-10	11-16		O SPEED IN 1 22- <sub>2</sub> 7 28	
N	4.3	• 5	2.1	. 3	• • • • • • • •		• • • • •
TINE	4 • 13	3 • 7	1.6	. 3			
NE	2•4	3.0	1.1	• 5			
ENE	.8	1.1	. <b>,</b> 5				
E	1 • G	• 3	•2				
E SE	• 2						
SE	. 6	. 3					
SSE	. 5	• 6	. 3				
s ¦	1.6	1.9	2.7	1.1			
ssw	2.1	4 • 5	2.1	• 6			
sw	3.8	7.0	5.7	1.1			
NSN .	i.3	2 • 6	3.5	1.0		•2	
%   	3.0	2.1	• 3				
vnw	1.0	1.9	• 6				
NW !	1.0	1.1	•8				
NNN	1 • 3	1.6	• 6				
.vIABLE	•	• • • • • • •			• • • • • • •		• • • •
CALM	/////////	(//////		'////////	7///////	///////////////////////////////////////	////
TOTALS	29.2	32 • 4	22.2	4.9		•2	

PERIOD OF RECORD: 75-76,81-86 MONTH: JUL HOURS(LST): 2100-2300							
	SPEED IN KNOTS 22- <sub>2</sub> 7 28-33 34	-40 41-47	48-55	GE 56	TOTAL	ME A N WIND	
• • • • •		• • • • • • • • • • • • • •	• • • • • • • •	• • • • • •	7.2	4 . 7	• • •
					9.6	4.6	
					7.0	4.9	
					2.4	4.7	
					<u>1</u> • 4	2.9	
					• 2	3.0	
					1.0	3.0	
					1.4	4.4	
					7 • 3	7.2	
					9 • 4	5.6	
					17.7	5.9	
	• 2				8.9	6.8	
					5 • 4	3.5	
					3.5	4.5	
					2.9	4.6	
					3.5	4.4	
• • • • •	• • • • • • • • • • • • • • • • • • • •	••••••		• • • • • • •	••••••		•••
11111		//////////////////////////////////////	7///////	///////	11.2	111111	
				•	1-00.0	4.7	
	. 4/4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4					-	

O

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF USAFETAC PERCENTAGE FREQUENCY OF OCCURRENCE OF FROM HOURL

AIR WEATHER SERVICE/MAC

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION   (DEGREES)	1-3	4-6	7-1 C	.11-16		D SPEED IN KN 22-27 28-3
N !	1.6	1.5	1.9		\$17 A	• • • • • • • • • • • • • • •
NNE	1.5	2.2	1.5	. 4	.0	•
NE	1.6	2.2	1.8	• 8		
E NE !	1 • 1	15	1.6	• 5		
Č ,	.8	. 9	.8	. 1	.0	
E SE	• 3	• 6	.2	. 0		-
SE	• 3	• 2	.2	. 1		
: SE	• 3	. 4	• 3	• 0		
s I	1 • 2	1.5	2.3	1.7	• 2	
1 	1.5	3.0	3.3	2.1	• 4	•0
sw I	2.3	3 • 5	3.7	2.3	. 4	
usw	1.5	2.0	3.5	3.3	• 6	• 1
₩ .	2.1	2.3	2.9	1.6	• 1	
KNN .	.8	1.3	1.4	. 4		
19W	.8	1.0	1.2	. 5	. 1	
NNW	.6	1 • 3	1.8	• 5		
VARIABLE	! • • • • • • • • • • • • • • • • • • •	. 3	1.6	• 3		
CALM	11/1/1///	///////	/////////	111111111111111111111111111111111111111	////////	///////////////////////////////////////
TOTALS	18.3	25 • 6	29.•9	15.3	1.6	• 1
	' • • • • • • • • • •	10 1 1 1 1			** * ** * * *	• • • • • • • • • • • • • • •

TCTAL NUMBER OF OBSERVATIONS: 5705

1 (

NCY	0F	OCCURRENCE	OF	SURFACE	WIND	DIRECTION	VERSUS	WIND	SPEED
		FROM HOL	URLY	OBSERV	ATION:	S			

						ar praan		ے د	7/ 00 0/	
ORD	UK				MONTH:	JUL	HOURS	LLST	76,80-86 1): ALL	
17-2		SPEED 22-27	IN KNOTS 28-33			48-55	GE		ŤOTAL %	MEAN WIND
• • •	• • • •	• • • • •	• • • • • • • •	• • • • • •		• • • • • • •	• • • •	• • • •	5.5	6.1
	• 0								5.6	5.7
									6.3	6.1
									4.7	6.3
	• 0								2.7	5,5
									1.1	5.0
									• 9	5.8
									1.•1	5.2
	• 2			-					6.9	8.1
	. 4	•0							10.2	7.8
	. 4								12.3	7.5
	.6	• 1							10.9	9.0
	. 1								9.0	7.0
									3.9	6.5
	• 1								3.5	6.8
									4.2	6,9
		• • • • • •	• • • • • • •	• • • • • • •	• • • • • •			• • • •	2.0	9.2
////	1111	111111	/////////	'///////	<i>[[]]]]]]</i>	////////	/////	F111		111111
	6	. 1							100.0	6.5
	· • • •				•••••	• • • • • • •				•••••

Ì

O

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SLUSAFETAC FROM HOURLY C

AIR WEATHER SERVICE/MAC

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION   (DEGREES)		4-6	7-10	11-16			IN KNOT! 28-33
N j	2,7	3.0	• 9	• 3		• • • • • •	• • • • • • •
NNE	4.3	2 • 2	• 9				
NE I	2.4	2.9	1.3				
E NE	1.3	. 9	• 7				
E [	1.4	• 3					
£ S E	• 1	. 3	• 3	. 1			
SE	• 1	• 3	•6				
SSE [	. 7	• 1	. 4	. 3			
s !	1 • 1	2.0	2.4	1.0	• 1		
ss:	26	4 • 5	3.2	• 9			
SW	3.3	5 • 3	2.6	. 4	. 3		-
พรพ	3.6	1 • 3	1.6	. 7			
ઘ	2 . 6	1 • 3	• 9				
พทพ	1.3	. 4	• 1				
NW	1 • 1	• 4	•1	• 1			
NIV	1.6	• 7	• 7	. <i>L</i> į			
VARIABLE	*	• • • • • •	••••				•••••
CALM	111111111	///////////////////////////////////////	11/1/1/1/	11111111	////////	//////	1/1/1/
TOTALS				4.3	, ų		

TCTAL NUMBER OF OBSERVATIONS: 696

1

\_

AIR WEATHER SERVICE/MAC

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIFECTION   (DEGREES)	1-3	4 -6	7-10	11-16	17-21	ND SPEED 22-27	28-
N (	3,7	2.8	•8	• • • • • • •		1	••••
NNE	3,0	1 • 8	• 8				
NE	2.8	1.8	1.4				
ENE	2.0	1.3	•6				
E	1 • 1	• 4					
E SE	• 1	• 3	•1				
SE	• ?	• 4	• 1				
SSE	. 1	. 8	• 3	. 6			
S I	1.4	1.4	1.3	. 8			
S 5 w	3.4	3 • 8	. 4.1	1.7			
S W	4.1	3 • 5	3.0	. 4	• 6		
usw [	4,, 2	2.1	.3	. 7			
u l	3.5	1 • 4	• 7	. 1			
knw	. 7	-	• 1				
NW [	. 7	• 4	.6				
NNM [	.7	• 6	8•				
I VARTABLE I	• • • • • • • •	•••••		• 1	1 * * * * * * * *	• • • • • • •	, <b></b>
CALM .	1-1111111111	1111111	////////	//////////	(1111111	////////	11111
TOTALS	31.8	22.9	15.2	4.5	• 6	ı	

TOTAL NUMBER OF OBSERVATIONS: 711

(\_\_

(

(\_

		0500 ••••••
WIND SPEED ÎN KNOTS 17-21 22-27 28-33 34-40 41-47 48-55 GE 56	TOTAL %	MEAN Wind
· · · · · · · · · · · · · · · · · · ·	7.3	3.8
	5.6	4.0
	6.0	4.2
	3.8	4.0
	1.5	3.0
	• 6	5.8
	. 8	4.2
	1.8	7.3
	4.9	6.3
	12.9	6.2
• 6	11.5	5.6
	7.3	4.1
	5.8	3.8
	•.8	3.0
	1.7	4.6
	2.1	5.2
* * * * * * * * * * * * * * * * * * * *	•••••	10 6
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	.3	10.5
		1/4///
• 6	100.0	3.7

USAFETAC

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF ST FROM HOURLY

AIR WEATHER SERVICE/MAC

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

	_					D SPEED		
DIRECTION   (DEGR <sub>E</sub> S)	1-3	4-6	7-10	11-16	17-21	24-21	28-	•33
И !	2,1	2.0	2.0	• 1				
NNE	3.7	2 •-4	.8	• 3				
NE	2.3	2.3	1.7			,		
E NE	1 • 3	2.4	2.4	• 1				
E	1.9	• å	• 9	• 1				
E S E	. 4	. 3	• 4					
SE I	.7	• 1	• 4	• 1			•	
SSE !	•1	• 7	• 9	•.3			-	
S !	1.2	1.2	2.0	1.1				
ssw	1.6	3 • 4	4.4	2.5	• 1			
SW I	3.3	3 • 6	3.8	1.5	•1			
wsw I	2.1	2 • 5	2.5	1.3	• 1			
₩ .	2.1	1.1	1.6	• 1				
N N N	.3	• 7	• 9	. 5				
NW !	[ [ , 4	. 3	• 5	. 5				
NNW	.4	. 4	.8	• 1	• 1			
VARIABLE	· • • • • • • • • • • • • • • • • • • •	• • • • • • •	4	• • • • • • • • • • • • • • • • • • • •	. •- • • • • • • •		) • • • •	• • •
CAL!*	 	///////			7////////	(1/1///	/////	'///
TOTALS	23.4		26.5		• 5			
,	t .							

TOTAL NUMBER OF OBSERVATIONS: 755

(

## ATTCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

-21 22-27 28-33 34-41	0 41-47 48-55	GE 56	TOTAL *	MEAN WIND
	1 1 1°1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		6.2	4.9
			6.8	4 • 4
			6.2	4.7
			6.2	5.5
			3 • 4	4 • 3
			1.1	5.1
			1.3	5.2
			2.0	7.7
			5 • 4	7.1
•1			12.1	7.6
•1	-		12.3	6.3
• 1			8.6	6.6
			4.9	3.0
			2 • 4-	8.0
			1.7	7.6
• 1			1.9	7.3
# F + 2 to + 2-0 # # # # # # # # # # # # # # # # # # #		• • • • • • • • •	.7	10.0
///////////////////////////////////////	///////////////////////////////////////	1111111111	16.8	111111
• 5			100.0	5.1

j

O

AIR WEATHER SERVICE/MAC

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE O USAFETAC FROM HOUR FROM HOUR

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

		,	• • • • • • •			ID SPEED	IN K
DIRECTION (DEGREES)	1-3	4-6	7-10	11-16		22-27	
N I	1.3	2.0	2.1		<b></b>		• • • • • •
NNE	1 • 4	2.0	1.2	. 7			
NE	2.9	2 • 6	1.6	. 5			
ENE	1.0	1 • 6	2.9	1.2			
č	1 • 3	1.7	1.7	1.0			
ESE	. 5	• 5	• 1	. 7			
SE	. 1	• 5	• 1	• 9			-
SSE	.5	• 4	<b>,</b> 5	• 4			
\$	1.2	• 7	2.8	1.8	• 1		
SSW	.9	1 • 4	2 • 4	3 • 7	• 5	•1	
รห	1 • 3	1 • 8	3.4	4.1	• 7		
KSW	.4	1.2	4.7	3.3	• 1	• 1	
W	.7	1 • 3	3.0	2.6			•
- KNW	.5	. 9	1.3	• 8			
NW	• 3	. 9	1.3	1.7			
NNN	, ų	1.0	• 7	• 5			
VARIABLE	 		2,6			• • • • • • •	•••••
CALM	1   <i>                                   </i>	////////	////////	///////////////////////////////////////	1111111	/////////	1114111
TOTALS	14.8			25.0			

TOTAL NUMBER OF OBSERVATIONS: 763

C

RD UK				MONTH:	OF RECOR AUG	HOURS (LS	5-76,80-86 5T): 0900-	1100
	SPEED 22-27	IN KNOTS 28-33	34-40	41-47	48-55	GE 56	TOTAL 2	MEAN WIND
	• • • • • •	• • • • • • •	• • • • • •		• • • • • • •	0.000 0 0 0 0	5.6	6.0
							5.2	6.0
							٠.6	5.2
							6 = 7	7.4
							5.8	6.8
							1.8	8.3
							17	8.7
	-						1.8	6.3
• 1							6.6	8.3
• 5	• 1	=					9.0	10.1
• 7		ì					11.43	9.4
• 1	• 1						9.8	9 . 8
							7.6	9.0
					•		3.5	7.4
							4.2	9.7
							2.6	7.4.3
• • • • • • •	• • • • •	• • - • • • • • •	• • • • • •	• • • • • • •		• • • • • •		9.7
11311111	1111111	<i>[] [] [] [] []</i>	1-11111	11511-111	,,,,,,,,	1111111	*	111111
1.4	• 3	, , , , , , , , , , , ,	,,,,,,,	,,,,,,,,,	,,,,,,,,		100.0	77
* * * * * * * *.9 (	) ( <b>) • • • •</b> •		• • • • • •	·• • • • • • • •		•••••	• • • • • • • •	

Ç

 $\bigcirc$ 

AIR WEATHER SERVICE/MAC

1

C

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION (DEGR <sub>EE</sub> S)	l l 1-3	4-6	7-10	11-16		SPEED IN K 22-27 28-
N	1.1	1.8	2.2	. 1		• • • • • • • • • • •
MNE	.9	2.0	1.1	• 4		
NE	.4	2 • g	1.6	• 5	•1	
E NE	.9	1 • 8	1.2	1.2		
3	1.2	1.2	2.4	. 4		
E SE	.7	• 5	• 7	• 9		
SE	.5	. 9	1.1	• 4		
SSE	.4	• 8	• 8	• 5		•1
S	.8	1.3	1.6	2.6		• 1
SSW	.9	2.2	2.1	4 • 1	. 8	
SW	.8	2 • 4	3.4	3 • 7	. 8	• 1
WSW	.5	1.2	2.1	4 • 6	1.6	• 1
W	.9	1.4	4 • 1	3 • 3	.4	
M-N.M	.4	. • 8	2.4	8.		
NW	.5	1.3	2.1	. 7		
NNW	.4	1 • 4	1.1	. 3		
VARIABLE	! • • • . • • • •			1 • 4	• 1	
CALM	/ / / / / / / / / / /	1111111	////////	11-11111111	///////////////////////////////////////	///////////////////////////////////////
TOTALS	11.3	24 • 2	33.2	25.9	3.8	•5

TOTAL NUMBER OF OBSERVATIONS: 760

DRD UK	• • • • •			MONTH:		HOURS (LS	-76,80-86 T): 1200-	1400	• • •
	SPEED I	N KNOTS 28-33	34-40			GE 56	TOTAL %	ME A N	
<b></b> .	<i>.</i> ¥4	• • • • • •	• • • • • •	•••••	• • • • • • • • • • • • • • • • • • • •		5.3	5 ,-8	• • •
						<b>)</b>	4.3	6.3	
• 1						,	5 • 4	6.6	
							5 • 1'	-6-• 9	
							5.1	6.4	
							2.8	7.8	
							2.9	6.6	
	•-1						2.6	8 • 1	
	. • 1						6.4	9.4	
. 8							10.1	10 • 2	
• 8	• 1						11.2	9.9	
1.6	• 1			-			10,1	11 . 8	
. 4							10.1	9.4	
							4.3	8.3	
							4.6	7.4	
•							3.2	6.6	
	-4 + + + + + +			. • • • • • • • • • • •	• • • • • • •	•••••	5.3	9.8	• • •
/ 	//////	1	/////////	' <i>     </i>	/// <i> </i> ://///	<i>[]                                    </i>		111111	
3.8	• 5	·					1.00.0	8.6	

(\_)

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SUR FROM HOURLY OB

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

• • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • •		••••	••••	• • • • • • • •		
UIRECTION   (DEGR <sub>E</sub> ES)	   1-3 	4-6	7-10	11-16		SPEED <sup>*</sup> 22- <sub>2</sub> 7	ÎN KNOTS 28-33
N	.9	3 • 3	2.0	. 4	• • • • • • • •		
NNE	1.3	1.6	1.1	• 5			
NE I	1.7	2 • 1	1.6	. 5			
E NE	.7	1 • 9	2.3	1.1			
<u> </u>	.5	2 • 0	1.7	• 3			
ESE !	1 1 1	• 7	•9	• 4			
SE !	1 	• 7	• 9	• 3			
SSE I	! .4 !	• 1	• 9	. 5			
S (	1   .8 	<b>-</b> -5	•9	2.8	• 4		
SSW	.5	1 • 7	3.6	3.1	. 5		
SW !	.7	1 • 7	2.4	2.1	• 9		
6 S W	.5	1 • 6	3.7	7 • 1	3.6		
lv .	1.2	2 • 1	2.8	3.3	. 8		
พทพ	.4	1 • 3	1.7	1.5			
IVW	.8	• 9	2.3	8.			
MNM	.8	• 5	• 8	• 3			
VARIABLE	· · · · · · · · · · · · · · · · · · ·	•••••	1.1		•·····································	• • • • • •	,
CALM	1///////	////////	1111-111	///////////////////////////////////////	11111111	1111-111	///////////////////////////////////////
TOTALS	12.8	22 • 5	30.8	25.5	6 • 4		
	•••••	* * * * * * * * *				• • • • • • •	•••••

TOTAL NUMBER OF OBSERVATIONS: 750

Y	OF	OCCURRENCE	0 F	SURFACE	WIND	DIRECTION	VERSUS	DNIW	SPEED	
		FROM HO	URLY	Y OBSERV	ROITA	S				

, м	RIOD OF RECOF	HOURS (LS	r): 1500-	1700	<b>)</b>
WIND SPEED IN KNOTS -21 22-27 28-33 34-40 4	1-47 48-55		TOTAL	MEAN	• )
			*	WIND	. J
			6.7	5,9	
			4 • 5	5.6	Ž.
			6 • 0	6.0	3
			5.9	7.1	•
			4.5	6.3	)
			3.1	6 • 0	)
			2.3	6.6	
			2.0	7.9	)
. 4			5.5	10.9	3
• 5			9.1	9.5	_
• 9			7-• 9	9.5	)
3.6			16.5	12.0	)
. 8			10.3	9.5	
			4.9	7.9	)
			4.8	7.4	•_)
			2.4	6.1	
		• • • • • • • •	1.7	10.3	•
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		111111111	2.0	111111	$\odot$
6.4			100.0	8 . 4	$\mathcal{O}$
	• • • • • • • • • • •		• • • • • • •	••••••	•
					`. J
					()

j

USAFETAC AIR WEATHER SERVICE/MAC

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SU FROM HOURLY O

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION	1 7		7-10	11-16			IN KNOTS
DIRECTION   (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	2-8-33
N	5.1	2.8	1.2	. 2	• • • • • • •	, • • • • • •	• • • • • • • •
NNE [	2.0	2.0	1.5	. 3			
NE I	1.2	• 7	• 7	• 2			
E NE	.7	1.2	•7	• .2			
E I	2.0	• 8	• 8	. 3			
E S E	,7	1.0	1.2	. 2			
SE	1.2	• 2	•5				
S SE	8.	• 3	•5	• 2			-
\$	• 3	1 • 3	1.3	2.0			
S S W	1.7	2 • 2	2.5		• 2		
SW	1.8	g • 8			• 5		
<b>!</b>	1.2	2 • 8					
	1.8	3 • 0			• 2		
NNM	1.3	• 7					
NW [	1 1 • 2	• 5	•7				
WMM 	1 .8	1.3					
VARIABLE				• 2	• 2	-	
	1//////////////////////////////////////	11111111	*////////	1/11/11/17	111111111	//////	<i>  </i>
TOTALS	23.8	24 • 6	23.8	16.8	1.5		
	•••••	• • • • • • •					

TOTAL NUMBER OF OBSERVATIONS: 602

. C

1 (

(

€.

(

 $\mathbf{C}$ 

, C

CY OF OCCURRENCE OF SURFAC FROM HOURLY OBSER	E WIŅD DIRE VATIONS	ECTION VE	RSUS WIN	D SPEED		
			-			
מס טון	PERIOD MONTH:	OF RECOR : AUG	D: 79 HOURS(LS	-76,80-86 T): 1800-	\$000	
WIND SPEED IN KNOTS 7-21 22-27 28-33 34-					• • • • • • • •	• • • •
7-21 22- <sub>2</sub> 7 28-33 34-	40 41-47	48-55	GE 56	TOTAL X	MEAN Wind	
******************	• • • • • • • • • •	• • • • • • • •	••••••	9.3	3.9	• • • • •
				5.8	5.3	
				2.7	5.3	
				2.7	<b>5.6</b>	
				4 • 0	4.6	
				3.0	6 • 1	
				1.8	4 • 2	
				1.8	5.3	
•				5.0	9. 2	
• 2				8.3	7.5	
• 5				10.8	7.7	
• 2				15.1	9•3	
• 2				9 • 8 3 • 8	7.2	
				2.8	6,6 5,6	
				3.3	5.7	
6 0 0 0,00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	)	• • • • • • • • •				
•2				• 3	1.5 5	
(11111111111111111111111111111111111111	'//////////////////////////////////////	//////////	11:11:11	9.6	111111	(
1.5				100.0	6.2	

;

...

AIR WEATHER SERVICE/MAC

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE, OF SUSAFETAC FROM HOURLY FROM HOURLY

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

	• • • • • • • • • •		•••••	•••••	 NIW	D SPEED	in KNOT
DIRECTION (DEGR <sub>EE</sub> S)	1-3	4-6	7-10	11-16		22-27	
N	4.6	1.8	1.6	* * * * * * * * * *	• • • • • • •	• • • • • •	• • • • • • •
NNE	2.8	1.3	• 7				
NE	1.8	2.1	1.8	<b>€</b> 12			
E NE	• 3	1.5	1.0				
E I	• 3	• 7	• 5				
ESE	.8	• 5	.2	• 3			
SE	•2						-
SSE	.5	• 7	• 2	. 3			,
S	.7	2.3	1.6	1.0	• 2		
SSW	3.3	4 • 4	2.4	1.1			~
SW	2.6	5.4	2.4	1.1	• 3		
WSW	1.8	4.1	2.9	1.3			
h	1.8	2.4	• 3				-
WNW	1.0	1.0	• 3	• 5			-
หม	1.5	٤ •	.3				
MHM	1.1	1 • 6	1.0	. 2			
VARIABLE	' '		• • • • • • •	. 2	• • • • • •	• • • • • • •	• • • • • •
CALM J	 	///////////////////////////////////////	11111111	///////////////////////////////////////	///////	1111111	//////
TOTALS	24.9	30.5	17.3	6.2	. 5		
· · · · · · · · · · · · · · · · · · ·			•••••	•••••		• • • • • •	•••••

TOTAL NUMBER OF OBSERVATIONS: 614

C

(

C

		D SPEED	IN KNOTS 28-33		41-47				
• • •		• • • • • •	• • • • • • • •	• • • • • •	• • • • • • •	• • • • • • •			
								4.7	3.6
2								5.9	4.9
•								2.8	6.1
								1.5	5.2
3								1.8	5.4
~								•2	20
3								1.6	5.9
D	• 2							5.7	7.5
	• 2								
1	_							11.2	5 • 6
1	• 3							11.9	-
3								10.1	6.4
								4 • 6	3 • 9
5								2.8	5 • 6
								2.6	3.7
2				•				3.9	4.8
2		• • • • • •	• • • • • • • • •	• • • • • •	• • • • • • •	• • • • • • •	• • • • • • • •	.2	16.0
//	1.	//////	///////////////////////////////////////	///////	////////	/////////	1111111	20.7	11.1111
2	• 5							100.0	4.3

)

Þ

Ċ

O

O

Ð

1)

USAFETAC AIR WEATHER SERVICE/MAC

GEOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SUI FROM HOURLY O

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION   (DEGREES)	1-3	4 -6	7-10	11-16		0 SPEED 22-27	
N	2,6	2.4	1.6	. 2			, • • • •
NNE	2 • 3	1.9	1.0	• 3			
NE !	1.9	2.2	1.5	• 2	•0		
E NE	1.0	1.6	1.5	• 5			
Ē,	1 • 2	1.0	1.0	• 3			
ESE !	. 5	• 5	• 5	• 3			
SE	. 4	. 4	.5	• 2			
S S E	. 4	• 5	• 6	. 4		.9	
S I	1.0	1.3	1.8	1.7	•1	.0	
SSW	1.8	2.9	3.1	2.4	• 3	•0	
SW	2.2	3 • 4	2.9	2.0	• 5	• 0	
wsw	1.8	2.0	2.9	3.1	• 8	•0	
W	1.8	1.7	2.1	1.5	•2		
LNW I	. 7	• 7	1.0	. 6			
NM [	. 8	• 7	1.0	• 6			
ENW I	.8	. 9	3.	• 2	•0		
VARIABLE	• • • • • • •	1	•••			•••••	J • • • •
CALM	111111111	///////	11111111	11111111	////////	////////	1////
TOTALS	21.3	24 • 2	2 24.8	15.0	2.0	•1	

TOTAL NUMBER OF OBSERVATIONS: 5651

## LENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

• • • •	• • • • • •	• • • • • •		• • • • • •	MONTH:		*******	T): AL	• • • • • • • • •	• • •
17-			N KNOTS 28-33		41-47	48-55	GE 56	TOTAL	MEAN WIND	
e + +-e	• • • • • • •		• • • • • •	• • • • • •		•••••		8.6	4.8	• • •
								5.5	4.8	
	• 0							5.9	5.2	
								4.6	6.2	
								3.5	5.5	
								1.9	6.6	
								1.5	6.2	
		•0						1.9	7.0	
	• 1	•0						5.8	8.3	
	• 3	•0						10.5	7.8	
	• 5	• 0						11.1	7.5	
	• 8	•0						10.5	8 • 8	
	• 2							7.3	7.3	
								3.1	7.0	
								3.1	6.9	
	•0							2.8	5.9	
• • • •	• • • • • • • • • • • • • • • • • • • •	• • • • •	• • • • • •	• • • • • •	• • • • • •	• • • • • • •	•••••	1.6	10.1	• • •
1111	//////	/////	1///////	1111111	11111111	11111111	////////	12.6	111111	
	2.0	• 1						1000	6.1	

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURIUSAFETAC PROM POURLY OB: FROM HOURLY OB:

AIR WEATHER SERVICE/MAC

STATION NUMBER: 0.76443 STATION NAME: PAF FAIRFORD UK

* * * * * * * * * * * * * * * *	• • • • • • • • • • • • • • • • • • •		*** * * * * * * *	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • •	THE MAD TO
GIRECTION (DEGR <sub>EE</sub> S)	1-3	4-6	7-10	11-16	17-21	\$2 <b>-</b> 27	IN KNOTS 28-33
î,	3.8	.1	•3		• • • • • • •	• • • • • • •	
MME	1.4	1 • 6	• 7	× 6			
NE	1.8	• 6	• 3	• 1			
ENE	1.7	• 7	<b>.</b> 4	. 3			
Ē	.9	• 4	<b>.</b> t	• 3			-
ESE	. 4	•1	.3				
SE	1.0	• 4	•6				
S S E	.6	• 1	<b>,</b> 4	• ?			
S	2.4	2 • 7	3.1	1.8	• 1		-
\$ 5 74	2.3	3 • 3	3.8	2.9	.6	. 4	
SW	3.4	3.3	4.4	1.6	• 1	.3	• 1
wSW	4.3	2.1	1.3	1 • 4	• 1		-
wi	4.3	1.3	• 9	. 6			
™ NM	.7	• 1	• 7	• ô			-
ns.	.6	1.6	. 4	• 1	,		
MAN	. 1	. 4					¥ .
VARIABLE	1 ? * * * <sub>* *</sub> , , , , * * * * [		•••••	******			. <b></b>
CALP	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	11111111	////////	/////////	////////	///////	111111111
TOTALS	30.4	18.9	18.0	9.6	1.0	.7	• 1

TOTAL NUMBER OF OBSERVATIONS: 705

(

UK					MONTH:	SE <sub>P</sub>	HOURS ILS	-76,80-86 T): 0000-		
		ED IN	KNOTS			48-55			MEAN Wind	
•••	• • • •	• • • • •		• • • • • •	• • • • • • •		e • • • • • •r•	4.3	2,6	• • •
								4.3	5,6	
								2.8	3.7	
								3.1	4.6	
								2.0	5.2	
								. 9	5.0	
								2.0	4.4	
								1.4	5 , 9	
• 1								10.2	7.0	
• 6		• 4						12.9	7.7	
• 1		• 3	• 1					13.2	7.1	
. 1								9.2	5.2	
								7.0	4.0	
								2.3	7.4	
								2.7	5.5	
								• 6	4.0	
• • • •		• • • • •		• • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	* * * * * * * * * *	•••••	• • •
////	1111.1.	11111	'//////	11:41111	11111111	11111111	/////////	21.3	111111	
1.0		.7	• 1					100.0	4.7	
				• • • • • • • • • • • • • • • • • • •	•••••		••••••		4.7	•••

USAFETAC AIR WEATHER SERVICE/MAC

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SU FROM HOURLY O

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

• • • • • • • • • • • • • • • • • • • •			• • • • • • •	• • • • • • •	• • • • • • • • • • • • • • • • • • •	n speen	IN KNOTS
DIRECTION (DEGR <sub>EE</sub> S)	1-3	4-6	7-10	11-16	17-21		
N	1.8	1.1	1.0				
,,	1.0	1 • 1	1.0	• 🗸			•
NNE	1 • 4	1 • 1	• 3	• 1	• 3		
NE	1.5	1.4	.3				,
ENE	1.2	1.2	÷ 7				
£	1.5	• 8	.3	• 1			
£SE	1   • 3	• 7					7
SE	.3	• 4	• 5	. 3			
S S E.	.8	1 • 4	.8	. 5	• 1		
S	2.2	2 • 6	3.0	2.2	• 7		
SSW	3.4	3 <b>.</b> 8	3.6	. 7	• 3	•1	
SW	4.0	3 • 4	3.3	1.1	• 1	• 4	-
WSW	2.9	2.2	1.8	1.5			
и	4.0	• 7	• 8	1 • 1	• 1		
HNW	.5	• 1	.7	• 3			
им	.3	• 3	.3	• 3			,
ททห	.5	<b>8</b> •	• 4	. 3			-
VARIABLE	! • • • • • • • • • • • • • • • • • • •		•••••				
CALM	:   ////////////////////////////////////	11111111	11111111	11111111	11111111	11111111	1111111
TOTALS	27.1	22.0	17.6	8 • 8	1.6	• 5	

TOTAL NUMBER OF OBSERVATIONS: 731

• (

## ENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

WIND SPEED IN KNOTS			• • • • • • • •	
17-21 22-27 28-33	34-40 41-47 48-	•55 GE 56-	TOTAL %	MEAN WIND
		• • • • • • • • •	4.1	5.0
• 3			3-• 1	5,5
			3.1	3.7
			3.1	4.5
			2.7	4.0
			1.0	4 • 1
			1.5	7.0
•1			3.7	7 • 0
• 7			10.7	7.7
•3			11.9	6.1
•1 •4			12.3	6.4
			8.3	6.2
•1			6.7	4.9
			1.6	7.2
			1.6	5.3
			2.1	5.9
•••••		• • • • • • • • • • • • • • •	•••••	
711111111111111111111111111111111111111			22.3	111111
1.6 .5	-		100.0	4.7

AIR WEATHER SERVICE/MAC

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE FROM HOURLY OBSERVA FROM HOURLY OBSERVA

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION   (DEGREES)	1-3	4 -6	7-10	11-16	17-21		IN KNOTS 28-33	34-
N	.8	2.0	1.2	. 7	.1	• • • • • • •		• • • •
RINE	1 • 1	. 9	• 7					
NE	1.3	1 • 2	• 7					
E NE	.9	1.2	• 7					
E	1 • 1	1 • 6	. <i>ų</i>					
ESE	• 3	1 • 2	• 1					
SE	. 4	• 3	• 8	• 4				
SSE	, 5	• 4	• 8	• 4	• 1			
s i	1 • 2	2.8	3.3	2.5	• 3			
SSW	2.8	4.0	4.5	1.9	. 3			
SW	3.2	3.0	2.3	1.7	• 3	• 1		
wsw	2.0	2.9	2 • 8	2.4				
w į	3.2	1 • 6	• 9	1.3				
LNW	. 7	• 7	• 7	. 3		• 1		
NW	. 4		<b>,</b> 4	. 4				
NNK	• 4	• 7	• 5	. 3				
VARIABLE I	••••••	• • • • • •		. 1	• • • • • • • • • • 1			•••
CALM 1	11/1/1/1/	11111111	11111111	11;1111111	11111111	1111111	17:11:1111	///
TOTALS	20.5	23 • 6	20.7	12.3	1.2	. 3		

TOTAL NUMBER OF OBSERVATIONS: 755

PERIOD OF RECORD: 75- MONTH: SEP HOURS(LS	-76,80-86 T): 0600-0	0800
SPEED IN KNOTS		• • • • • • • • • • • •
2-27 28-33 34-40 41-47 48-55 GE 56	TOTAL *	MEAN WIND
	4.8	6.5
	2.6	4 6
	3 • 2	4.3
	2 • 8	4.8
	3.0	4,3
	2.0	4 • 4
	1.9	7.8
	2.3	7.9
	9.3	8.5
	13.4	6.9
•1	10.6	6.7
	10.1	7 • 2
	7.0	5.7
•1	2 • 4	7 • 2
	1.2	7.8
	1.9	6.6
	.3	16.5
	21.5	111111
. 3	100.0	5.2

USAFETAC AIR WEATHER SERVICE/MAC

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFA FROM HOURLY OBSE

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

• • • • • • • • • • • • • • • •								• • • •
DIRECTION   (DEGR <sub>EE</sub> S)	1-3	4-6	7-10	11-16		D SPEED 22-27		34
N	.4	. 8	2.2	1.2	• • • • • • •	• • • • • • •	• • • • • • •	) •-• ¢
NNE	.5	1.2	• 8		. 1			
NE	.8	2.0	1.2	. 3				
ENE	1.6	1 • 8	• 5					-
3	.7	1 • 8	• 9	• 1				ė
E SE	1.1	• 5	• 7	. 1				
SE	.4	. 4	• 3	• 5	• 1			
SSE	. 3	• 8	1.7	• 9	. 4			
S	.,9	1.3	3.4	2.9	1.2	• 1		
S S.W	.9	1 • 7	4.1	6.2	• 4			-
SW	2.1	2.4	4 • 5	4.1	. 4	• 1		
พรพ	.9	1 • 3	2.8	3 • 4	1.2	. 3		
И	.4	• 8	2.4	3.3	.8			
WNW	!	• •	1.2	1.7	• 3			
NN	1 .4	• 4	• 9	1.1	• 1			
หทห	 	• 8	1.2	• 3	• 3			-
VARIABLE	' • • • • • • • • • • • • • • • • • • •		.8	. 8	• • • • • • •	.1	• • • • • • • •	••••
CALM	1/////////	////////	17777777	///////////////////////////////////////	///////////////////////////////////////	////////	11411111	111-1
TOTALS	11.6	186	29-6	26.9	5 • 3	• 7		
	• • • • • • • • • •						• • • • • • •	• • • •

TOTAL NUMBER OF OBSERVATIONS: 757

UK			HONTH:	SE p	0: 75- HOURS(LS)	-76,80-86 [): 0900-:	1100	
	SPEED IN KNOTS 2-27 28-33	,	41-47		GE 56	TOTAL	ME'AN WIND	-•
	• • • • • • • • • • • • •			• • • • • • •	• • • • • • •	4.6	8.7	•
. 1						2.6	5,7	
						4.2	5.7	
						4.0	4 3	
						3.6	5,5	
						2.4	5.1	
• 1						1 •-7	7.8	
. 4						4.1	9.4	
1.2	•1					99	10.2	
• 4						13.3	10.0	
• 4	•1					13.6	8.5	
1.2	. 3					9.9	10.5	
• 8						7.7	10.8	
• 3						3.8	1.1 • 0	
• 1						2.9	9-• 3	
• 3						2.6	8.4	

. 1

1.7

1.1.8

(\_;

 $\langle \rangle$ 

()

O

)

AIR WEATHER SERVICE/MAC

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF USAFETAC FROM HOURL FROM HOURLY

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION   (DEGREES)	1-3	4 -6	7-10	11-16	17-21	0 SPEED 22-27	
N [	.5	. 8	1.7	1.5	• • • • • • •	.1	
NNE	. 4	2 • 1	• 5	• 1	• 1		
NE !	. 4	1.3	1.1				
E NE	.8	1 • 1	• 7				
E i	1 • 1	1 •-6	1.5	. 4			
E S E	. 4	. 4	• 1				
SE	. 7	· 8	• 3	. 1			
SSE	• 1	• 7	1.1	• 9	• 1	• 1	
s I	1.4-1	1 • 3	3.2	4-, 4	1.5	. 4	
SSW	2.3	2 • 1	3.7	4.7	. 9	•3	
SW	. 7	2.0	3.4	5 • 8	. 8		
WSW	.5	1.1	3.6	5.0	1.3	• 9	
W	1 • 1	. 9	2.9	3.2	1.2	• 3	
HUM [	• 3	• 5	1.2	1.1	• 1		
NK	.7	. 1	1.7	1.8	• 3	•1	
NNW 1	• 1	• 5	1.3	1.2			
VARIABLE	0 0 0 0 0 0 0 0 C C b	.6	1.3	••••••••• • 9		•1	8 5 0 K 0.4
CALM	1111111111	11111111	11/1/1/1/	141111111	11111111	17777777	111111
TOTALS	10,7	1.7 . 3	29.2	31.1	6.6	2.4	

TOTAL NUMBER OF OBSERVATIONS: 758

(

+ (

ð (\*

(

UK			PERIOD MONTH	: SEp	HOURS (LS	5-76,80-86 ST): 1200-	-1400	•.• • •
WIND	SPEED II		40 41-47	48-55	GÉ 56	TOTAL *	MEAN WIND	
	• 1			• • • • • • • •		4.6	9.1	• • • •
• 1						3.3	6.0	
						2.8	5.7	
						2.5	5 • 1	
						4-+5	6.2	
						. 9	4 • 1	
						1.8	5.6	
• 1	• 1					3.0	10.6	
. • 5	<u>. 4</u>					11.7	11.0	
• 9	• 3	•1				13.9	9 • 9	
. 8						12.7	10.6	
•-3	• 9					12.4	12.3	
. 2	• 3					9.5	10.8	
• 1		•.1				3.3	10 • 2	
• 3	•1					4.7	10.4	
						3.2	9,3	
.3	•1	••••••	•••••••	• • • • • • •	•••••	2.6	12.3	• • • •
111111	/////////	[[]]	 	///////////////////////////////////////	111-1-11-1	2.5	111-111	
• 6	2.4	• 3				100.0	9 • 6	
• • • • • - 1	· • • • • • • • • • •	,		• • • • • • • • •			• • • • • • • •	

USAFETAC AIR WEATHER SERVICE/MAC

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF ! FROM HOURLY

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION ( (DEGREES)	1-3	4-6		11-16	17-21	SPEED 22-27	
N	2,1	1.5	1.7	. 8	<b>6-6 0 0 0 0 0 0</b>		
NNE	. 4	. 9	• 9	• 4			-
NE	.8	1 •=6	.8	. 3			
ENE	.5	• 5	.7	. 1			-
ε	1 • 1	• 7	• 5	. 5			
E SE	.8	. 4		• 1			-
SE	• 1	* ţi	.5	• 1	• 1	•1	- -
SSE	• 3	• 1	• 7	1.5	•-1	•-1	
S	1.3	1.9	4.2	4.5	1 • 3	• 1	• 1
SSW	1.1	2 • g	3.2	2 • 8	1.2	•1	
SW	• 8	19	46	5.2	1.2	. 4	• 1
พรพ	.5	1.9	4.4	4.1	<u>•</u> -4	.8	
W	1.• 2	1.9	3.7	4.2	1. • 1		
PIAM	. 4	<b>.</b> q	1-•-6	1,6	• 3		
NW	. 4	• 7	1.2	1.2	. 1		
NNW	. 4	• 5	1.3	. 7			
VARIABLE	t 			. 7	8 0 0 0-0 0 0 0.0	• • • • • •	• • • • • • •
CALM	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	(1111111	1-1111111	111111111	11/1/1/1/	1111111	1411111
TOTALS	12.2			28.8			• 3

TOTAL NUMBER OF OBSERVATIONS: 754

(

UK				MONTH:	OF RECORU	HOURS	75-76,80-6 LST): 150	86 0-1700	••••
WIND 3	SPEED IN 2-27 2	KNOTS 8-33	34-40	41-47	48-55	GE 5	6 TOTAL	MEAN WIND	
• • • • • •		• • • • • •	*** * *-* * *	• • • • • • •	• • • • • • •	• • • • •	6.	1 6,1	
							2.	7 6.8	
							3.	4 5,6	
							1.	9 6.1	
				-			2.	<b>á</b> 5.∙9	
							1.	3 3.8	
• 1	•1						1.	5 9.6	
• 1	• 1						2•	8 11.2	
1.3	• 1	. 1					1-3.	5 10 • 3	
1.2	•1						11.	9,4	
1.2	• 4	. 1					14.	2 10.6	
• 4	• 8						1.2 •	1 10.8	
1.1							12.	1 9.8	
• 3							<b>4</b> .•	2 10.1	
• 1							3.	6 8 • 8	
							2.	9 8.2	
						,	1.	3 11.4	•••
111111	////////		'////////	./ <i> -  -  </i>		!!!! <del>!</del> !	'// 2.	5 ///:///	
5 •-8	1.7	. 3					1-00:	0 9.1	
					-				

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SU FROM HOURLY O

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

				• • • • • • •		SPEED IN	
DIRECTION (DEGREES)	1-3 	4-6	7-10	11-16	17-21	22- <sub>2</sub> 7 2	8-33
И	4,7	1.0	.5	•••••	• • • • • • • • •	• • • • • • • •	· • • • • • • • • • • • • • • • • • • •
NNE	1.0	1.4	.7	• 2			
NE	. 9	• 7	• 2	• 2			
E NE	1.4	• 2	.3				-
٤	.7		•2				
E SE	.7	• 5	. 3				
SE	1.2	• 7	.3	• 2	•2		-
SSE	.9	• 7	1.4	. 3	•2	•.2	
S	1.9	3 · ß	3.1	3.1		• 3	
SSW	2.1	3 • 3	1.6	1.6	•2		ŗ
SW	2.3	3.5	3.8	3.5	.3		
WSW	2.3	3.3	4.0	• 9	• 3		-
₩	3.0	3.7	3.1	. 7			
WNW	1.7	.7	1.0	• 2			-
NW	.7	• 5	1.4	. 5			-
NNW	.9	. 9	•2	. 3			
VARIABLE	 		2	• 2	• • • • • • • •	• • • • • • • •	•••••
CALM	1//////////////////////////////////////	1111111	/////////	11111111	/////////	///////////	111111
TOTALS	26.3	24.9	22.5	118	1.2	• 5	

TOTAL NUMBER OF OBSERVATIONS: 574

0 111						. ==	<b>,</b> , , , , , , , , , , , , , , , , , ,		`.
D UK				MONTH:	SE <sub>P</sub>	10 URS (LS	-76,80-86 []: 1800-	2000	
	SPEED II 2-27		34-40		48-55	GE 56	TOTAL %	MEAN WIND	
••••••	• • • • • • •	• • • • • • •	• • • • • • • • • • • • • • • • • • •	• • • • • • •	• • • • • • • • • • • • • • • • • • • •		6.3	2.8	
							3.3	5.3	•
							1.9	4-, 5	-
							1.9	2.9	
							• 9	3.2	:
							1.6	4 • 3	
• 2							2.6	5.9	
• 2	• 2						3- • 7	7.6	
	• 3						12.4	7.9	
• 2							8.7	6.5	
. 3							13.4	7.9	
. 3							10.8	6.8	
							10.5	5.6	
							3.7	4.7	
							3.1	7.3	
							2.3	5.3	r
• • • • • •	• • •-• • • • •				•-• • • • •- • • •	• • • • • • •	.3	19.0	
/////////	///////////////////////////////////////	1.	1111111	F111111	///////////////////////////////////////	1111111	12.7	111111	Į.
1.2	•5						100.0	5.5	ŧ
	• • • • • • • •	• • • • • • • •		• • • • • •	• • • • • • • •	· • • • • • • •	• • • • • • •	• • • • • • • • • • • • •	ŧ
									(

)

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC PERCENTAGE FREQUENCY OF OCCURRENCE OF SU FROM HOURLY O

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION (DEGRES)	1 1-3	4-6	7-10	11-16		SPEED 3 22-27	N KNOTS 28-33
N	i 3, <sub>1</sub>	7	.3	• • • • • • • • •	• • • • • • • •	*** * * * * * *	
NNE	2.6	1.4	1.0	• 9			-
NE	.3	• 7					
E NE	.5	. 5	•2	• 2			
ε	.7	. 9	•5				
F SE	.9		-				•
SE	.5	. 9					-
SSE	1.5	1.2	• 5	1.0			
<b>S</b> .	2.4	3 • g	2.9	1.5	• 2	•3	
SSW	3.6	3 • 2	3.1	1.5	• 3	• 3	-
SW	5.3	4 • 6	3.2	1.5	• 3		,
WSW	3.1	2.4	3.1	1-•.0			3
W	2.9	2.0	•2	• 9			:
MNM	1.0	• 3	• 3	• 2			
ИИ	• 3	• 7	• 5	• 2			
NNW	1.0	• 7	•9	• 2			
VARIABLE	1 • • • • • • • • • •	*** * * * * * *	•••••	• • • • • • • •	• • • • • • • • •	• • • • • • •	
CALF	1	1111111	1114/11/	777777777	1111111111	1111111	11/1/1/
TOTALS	29.7	23.9	16.7	9 • 0	• 9	• 7	

TOTAL NUMBER OF OBSERVATIONS: 586

## QUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

* * * * * * * * * * * * * * * * * * *	* * * * * * * * * * * * * * * * * * *	***********************	MONTH: SEP HOURS(LST)					2100-2300		
		IN KNOTS 28-33	34-40	41-47	48-55	·GE	56	TOTAL *	ME AN WIND	
• • • • • • •	• • • • •	* • • • • • • • •	• • • • •	• • • • • • •		• • • •		4.1	3.0	• • •
								5.8	5 • 3	
								1.0	4 • 2	
								1.4	5.6	
					-			2 • 0	4.3	
								• 9	2.6	
								1.4	3.6	
								4.3	6.0	
• 2	• 3							11.1	7.4	
• 3	• 3							12.1	6.9	
• 3								15.0	5.9	
								9.6	5,8	
								6.0	4.,7	
								1.9	4 • 7	
								1.7	6.0	
								2.7	5.3	
• • • • • • • •		••••••	• * • • • • •	0 6 8.0 6 9 9-9	• • • • • • •	• • • •	• • • •		4.0 0.0.0 ¢ 0 0 0-0	• • (
////////	12111.	///////////		11111111	14/1///	1777	////	19.1	1-11111	
• 9	• 7							100.0	4.7	
• • • • • • •	• • • •	•••••	9- 9 <sup>-</sup> 6 - 6 - 6 - 6	.• • • • • • • • • • • • • • • • • • •	• • • • • • •	1-0 0 0-0	• • • •	• • • • • • • •		• •

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE USAFETAC FROM HOL FROM HOU

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION	1 - 3	4-6	7-10	11-16	wIN 17-21	D SPEED IN 22-27 28
(DEGREES)						
N	2.0	1.0	1.2	. 6	• 0	.0
NNE	1.0	1.3	• 7	• 3	• 1	•
NE	1.0	1.2	• 6	• 1		
ENE	1 • 1	. 9	• 5	. 1		
£	1.0	1.• 0	• 6	• 2		
E SE	.6	• ច្ច	•2	• 0		
SE	.6	• 5	• 4	. 2	• 1	•0
SSE	.6	• 7	• 9	• 7	• 1	• 1
\$	1.6	2 • 3	3.3	2.9	• 7	•2
SSW	2.3	3 • 0	3 • 5	2.8	• 5	• 2
SW	2.6	2.9	3.7	3.1	• 5	• 2
WSW	2.0	2.1	2.9	2.6	. 4	• 3
iv	5.4	1.5	19	2.0	• 4	•0
WNW	,7	. 4	•9	. 8	• 1	•0
หน	.5	• 5	.•9	. 7	• 1	•0
NNW	   .4 !	•-7	• 7	. 4	•0	
VARIABLE	1 • • <sub>•-•</sub> • • • • • •  -		.ц	. 4	• • • • • • • • • • • • • • • • • • • •	.0
CALM	   <i>                                  </i>	/////////	11111111	111111111	///////	
TOTALS	   2ე.5 	20 • 7	23.4	17.8	3 • 1	1.0
	151-1					

TOTAL NUMBER OF OBSERVATIONS: 5620

, (

C

1			IN KNOTS 28-33	34-40	4.1 - 4 7	48-55	GE 56	TOTAL;	MEÀN Wind
• •	• C	.0	• • • • • • • •		• •-• • • • •		0-050 0 0 0 0	4 . 8	5.6
	• 1							3:• 4	5.6
								2.9	4.8
								2 • .6	4.7
								2.8	5.1
								1.4	4 . 4
	.1	•0				-		1.8	6.5
	• 1	• 1						3.1	8 3
	.7	•2	• 0					11.1	8.9
	• 5	•2	• 0					12.3	8.1
	• 5	2	.0					13.1	8 • 1
	. 4	• 3						10.3	8. • 5
	• 4	•0						8 • 3	76
	• 1	• 3	•0					2.9	8.4
	• 1	•0						2.7	8.1
	•0							2-• 3	7.2
• • •	.1	.9		* * * * *-* (	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	• • • • • • • •	• • • • • • •		12.0
	1111111			111111	//////////////////////////////////////	11/1/11/1	97777777	13.4	111111
<b>f</b> .	3.1	1.0	. 1					100.0	6.6

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE

FROM HOURLY OBSERV

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIPECTION (DEGREES)   1-3	K-NOTS
NNE   1.3   1.5   .4   .8   NE   3.3   1.3   .9   .1   ENE   1.3   .7   .5   E   1.1   .5   1.6   ESE   .5   .5   .5   .1   SE   .5   .5   .7   .3   .1   SSE   .4   1.1   .7   .7   .7   .1   S   1.5   1.3   3.6   2.1   .4   .1   SSW   2.0   2.1   4.8   3.2   .4   SW   2.3   4.1   4.4   1.2   .7   .3   WSW   2.1   3.7   2.1   3.3   1.3   1.3	
NE	
ENE 1.37 .5  E 1.1 .5 1.6  ESE .5 .5 .5 .1  SE .5 .5 .7 .3 .1  SSE .4 1.1 .7 .7 .7 .1  S 1.5 1.3 3.6 2.1 .4 .1  SSW 2.0 2.1 4.8 3.2 .4  SW 2.3 4.1 4.4 1.2 .7 .3  WSW 2.1 3.7 2.1 3.3 1.3	1
E 1.1 .5 1.6  ESE .5 .5 .5 .1  SE .5 .5 .7 .3 .1  SSE .4 1.1 .7 .7 .7 .1  S .1.5 1.3 3.6 2.1 .4 .1  SSW .2.0 2.1 4.8 3.2 .4  SW .2.3 4.1 4.4 1.2 .7 .3  WSW .2.1 3.7 2.1 3.3 1.3	}
ESE       .5       .5       .5       .1         SE       .5       .5       .7       .3       .1         SSE       .4       1.1       .7       .7       .1         S       1.5       1.3       3.6       2.1       .4       .1         SSW       2.0       2.1       4.8       3.2       .4         SW       2.3       4.1       4.4       1.2       .7       .3         WSW       2.1       3.7       2.1       3.3       1.3	] \ !
SE       .5       .5       .7       .3       .1         SSE       .4       1.1       .7       .7       .1         S       1.5       1.3       3.6       2.1       .4       .1         SSW       2.0       2.1       4.8       3.2       .4         SW       2.3       4.1       4.4       1.2       .7       .3         WSW       2.1       3.7       2.1       3.3       1.3	1
SSE	
S   1.5   1.3   3.6   2.1   .4   .1   SSW   2.0   2.1   4.8   3.2   .4   SW   2.3   4.1   4.4   1.2   .7   .3   WSW   2.1   3.7   2.1   3.3   1.3	1
SSW 2.0 2.1 4.8 3.2 .4  SW 2.3 4.1 4.4 1.2 .7 .3  WSW 2.1 3.7 2.1 3.3 1.3	•
SW   2.3 4.1 4.4 1.2 .7 .3 WSW   2.1 3.7 2.1 3.3 1.3	1
WSW   2.1 3.7 2.1 3.3 1.3	i i
1	
w   2.4 1.2 .9 .5 .1 .3	
KNW .4 1.1 .1	ļ
NW .3 .4 .4	! ! !
NNW .4 .3 .8 .1	
VARIABLE   .1	• • • • • • • • •
CALM (////////////////////////////////////	///////////////////////////////////////
TOTALS   21.8 20.7 24.0 13.1 3.3 .7	-

UK	PERI MON	ITH: 0	RECOR	HOURS (L	75-76,80-86 .ST): 0000-	0200
	PEED IN KNOTS -27 28-33 34-40 41-	•			5 TOTAL	MEAN WIND
• • • • •		• • • • •	• • • • • •		4 . 6	5 8
					4 • 0	5.9
					5.7	3.8
					2.5	4 • 1
					3.2	5.5
					1.7	5.8
. 1					2.1	7.3
. 1					2.9	7.2
. 4	•·1				9.0	8.8
4					12.5	8 • 3
7	•3				12.9	7.5
3					12.6	8.• 6
- 1	• 3				5.4	6 • 3
					1.6	4 • 2
					1.1	4.9
					1.6	6.• 2
. 1		• • • • •	• • • • • •	• • • • • •		17.0
11111	7174     11   11   11   11   11   11   1	/////	F11111	//////	// 16.3	111111
. 3	•7				100.0	5.9

O

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURF FROM HOURLY OBS

USAFETAC AIR WEATHER SERVICE/MAC

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION   (DEGR <sub>EE</sub> S)	1-3	4-6	7-10	11-16		D SPEED IÑ 22- <sub>2</sub> 7 2	
N	1.4	, e , e.	1.0	.8		• • • • • • • •	•••••
NNE	3.0	1 • 4	.7	. 4			
NE	2.1	1.2	•5	• 1	•1		
ENE	1.8	• 7	1.0				
Ε	1.0	2.0	1.3	. 1			
· ESE	. 5	• 7	.7	. 1			
SE 1	. 7	• 5	1 • 2	. 1			-
SSE	. 5	1.2	1.4	. 4			
S	• 9	1.0	3.4	2.0	• 4	•5	
SSW	1.7	2.5	2.7	4.2	• 5	• 4	
Sw [	2.3	3 • 7	4.4	2 • 1	• 7	• 1	
wsw	2.3	2 • 0	2.9	1.7	1.0		
₩ [	2 • 1	1.0	•9	• 9	. 4	• 3	
www	. 3	• 9	•5		. 1		
NW	. 4	• 5	. 1				-
WAL	.7	. 5	1.2				
VARIABLE	• • • • • • •	• • • • • • •	.1				• • • • • • • • • • • • • • • • • • •
CA:LM [	///////////////////////////////////////	1414147	1.		1.1111111	1.111111111	/////////
TOTALS	22.3	20 2	24.2	13.1	3 3	1 • 3	_

D UK		PERIOD (	OF RECORE	HOURS (	LST	.: 0300-		
	SPEED IÑ KNOTS 2- <sub>2</sub> 7 28-33 34-			GE 5	6	TOTAL	MEAN WIND	
• • • • • •			• • • • • • • •			3.8	6.1	
						5-• 5	4 . 4	
• 1						4.0	4.5	
						3.5	4 • 1	
						4.4	5 • 4	
						2.0	5.9	
						2.5	6 • 2	
						3.5	6.9	
• 4	• 5					8.2	10.0	
• 5	• 4					12.0	9.5	
• 7	• 1					13.3	7.5	
1.0						9.9	8.2	
• 4	• 3					5.6	7.4	
.1						2.3	5.4	
						1.0	3.9	
						2.3	6.2	
	6-6 0 0 6-9 0 0 0 0 0 0-6 0 0 0 0		• • • • • • •	• • • • •			11.5	• • • • •
'///////	}}}	///////////////////////////////////////	11411111	/////	///	1-5.7	111-111	
3.3	1.3					100.0	6.1	
, e a e a a a a	•••••••	0 8 9 9-9 9-9 9 <sup>-</sup> 6 9 9 8	• • • • • • •		• • - • •	•••••	•••••	••••

)

D

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SUSAFETAC PERCENTAGE FROM HOURLY FROM HOURLY

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION (DEGREES)	1-3	4 -6	7-10	1.1-16		D SPEED IN KNO <sup>*</sup> 22- <sub>2</sub> 7 28-33
N I	1,0	1.5	1.2		. 4	• • • • • • • • • • • • •
MNE	1.9	1.1	•1	• 5		-
NE !	2•3	2 • 1	•5	. 1		
C NE	2.4	1.8	1.5			
E	1.0	1.0	1.0	• 2		• 1
E SE	.5	. 4	• 2	. 4		• 1
SF	• 4	• 6	• 6	• 1		
SSE	. 5	. 9	• 9	• 5	• 1	
S	. 9	2.4	2 • 4	2.8	• 6	• 1
SSW	1.9	1 • 5	2.7	3.5	1.2	
SW	2.6	4.0	4.1	3.5	• 7	• 2
WSW	2.4	2.7	3.2	2.3	• 2	• 2
W (	2.4	1.2	• 9	_• <b>4</b>	. 7	
KNA	.6	• 4	• 5	• 2	• 1	
NW	. 5	• 2	• 1	• 5		
WNN	• 2	. 4	•6	• 1	• 1	
VARIABLE	••	0-6 8 8 8 8 8 8	• • • • • • •	. 2		F # F F F F F F F F F F F F F F F F F F
CALM	11/11/11/1	////////	2////////		11111111	1111111111111111
TOTALS	21.5	22.C	20.4	15.7	4.3	• 9

D UK				MONTH:	OC T	10URS (LS1	-76,79-86 r): 0600-	0080	
WIN	D SPEED 22-27	IN KNOTS	5		48-55		TOTAL	MEAN WIND	• •
.4	• • • • • • •	,	• • • • • • •				4.3	6.9	• •
							3.6	4. <sub>•.</sub> 5	
							5.0	4 • 1	
							5.7	4.6	
	• 1						3.3	6.4	
	•1						1.6	7.5	
							1.7	6.0	
• 1							2.8	7,5	
• 6	• 1						9.2	9.2	
1.2							10.8	9.7	
• 7	• 2	-					15.2	8.2	
• 2	• 2						11.1	7.8	
. 7							5.6	6.6	
• 1							1.8	7.1	
							1.3	6 • 7	
• 1							1.5	8.0	
• • • • •		• • • • • • •		. , , -, , , , , ,	• • • • • • •			15.5	• •
1///	!/////////	//////////////////////////////////////	11.1111111	////////	////////	////////	15.3	11111-1	
4.3	• 9						100.0	6.3	
••••		• • • • • • • •	• • • • • • • •	• • • • • • •	•••••	••••••	•.•••••		••

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION (DEGREES)	1-3	4 –6	7-10	11-16	wIN 17-21	D SPEED 22-27	IN KN 28-3
N	,2	1.1	1.3	. 1	.4	* * * * * * *	••••
NNE	1.4	• 7	1.1				
NE	1.7	1.2	1.1	• 2			
ENE	1.0	8•	1.6	• 2			
Ë	1.9	1.6	1.9	8.	• 5	• 1	
r se	.7	1 • 1	1.3	• 2	•1		
SE	.5	. 2	• 4	• 4	•1		
SSE	. 4	• 5	• 8	1.0			
S	.5	1 • 3	2.8	3.2	. 4	<b>.</b> -5	-
S.S.W	. 7	2.0	3 • 8	4.2	1.9	• 1	-
SW	1.7	1 • 1	4.0	5.5	1.8	. 4	
พรพ	.7	1.9	3 • 2	3.0	. 5	.5	-
W	.8	1.2	1.8	2.9	. 4	.6	•
имя	1 ] .4	<b>,</b> c	• 8	1.1	• 1		-
NW	.2	• 2	. 8	• 6			
NNK	.7	• 4	1.0	1.0			
V/RIABLE	   • <sub>  - 2</sub>   <sub>2</sub>   3   4   6   6   	• • • • • • •	5			)** • • • • • • **	••••••
CALM	  ///////////////////////////////////	1111111	1111111	111111111	////////	7////////	(111111.
TOTALS	13.6	15 • 9	28.2	25.2	6 •-4	2.2	•
	•						• • • • • • • •

TCTAL NUMBER OF OBSERVATIONS: 832

(

RD UK	• • • • • • •	· ·		MONTH:	OF RECOR	HOURS	5 (L 51	76,79-86 ): 0900-	1100	• • • •
		IN KNOTS 28-33		41-47	48-55	GE	56	TOTAL %	MEAN WIND	
.4	* * * * * * * *			• • • • • •	• • • • • • •	• • • •		3.1	8.0	••••
								3.2	4.9	
								4.2	4.9	
								3.6	6.0	
.5	•1							6.9	7.4	
. 1								3.5	6.6	
. 1								1.6	8.2	
								2.6	8.8	
. 4	.5							8.7	10.6	
1.9	.1							12.9	10.9	
1.8	<b>,</b> 4							14.4	10.9	
. 5	• 5							9.9	10.0	
٠ 4	•6	.1						7.8	11.2	
• 1			*					2 • 9-	9.5	
								1.9	8.8	
								3.0	8.0	
.2	• • • • • •	• • • • • • • •		• • • • • • •		4-4 4 4	• • • •	14	11.9	••••
//////	1/////		1111111	1111111	11111111	////	////	8.4	111111	
6.4	2.2	. 1						100.0	8.5	

 $\bigcirc$ 

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF USAFETAC FROM HOURL FROM HOURLY

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

IN KNO: 28-33	22-27		11-16	7-10	4-6	1-3	DIRECTION (DEGREES)
	• • • • • •	.2	• 2	1.3	1.3	1.7	N
			• 2	1.3	• 5	1 • 1	NNE
			• 6	1.6	• 6	1 • 1	NE
			• 2	1.1	1.2	.5	FNE
			1.6	2.3	1.9	1.0	Ł !
		• 1	. 7	1.3	• 2	• 1	E S E
		• 2	<u>.</u> 4	1.1	• 7	• <sup>4</sup>	SE
		• 1	• 1	1.3	• 4	<b>.</b> 4	SSE
	• 4	• 7	5 • 2	3.9	1.1	<u>,</u> 4	S
• 1	• 2	1.8	4.6	2.9	1.1	.8	SSN
• 1	• 5	1 • 3	5.9	2.4	. 6	. 4	SW
	٠ŧ	2 • 2	5.4	2.8	• 5	• 5	WSW
	• 7	1.0	4.0	2.3	1.7	1 • 2	₩
		• 2	1.0	1.0	• 5	.8	P NM
			• 8	• 5	. 4		NW
			• 4	1 • 4	• 6	.5	NNW
• • • • • • •	.1	• • • • • • • • • • • • • • • • • • • •		6		   • • • • • • • •   	VARIABLE
///////	//////	///////////////////////////////////////	71111111	11111111	///////////////////////////////////////	1111111111	CALM
• 2	2.3	8.5	32.2	29.1	13 • 3	18.7	TOTALS

TOTAL NUMBER OF OBSERVATIONS: 828

(

UK			PERIOD MONTH:	OF RECORD	: 75 OURS(LS	-76,79-86 T): 1200-	1400
wIN	D SPEED IN	KNOTS	• • • • • • • • •	• • • • • • • •	• • • • • •		• • • • • • • • • • •
	22-27 2		0 41-47	48-55	GE 56	TOTAL %	MEAN WIND
.2	• • • • • • • • •	•••••	• • • • • • • •	• • • • • • • •	• • • • • •	48	6.2
						3 • 1	6.0
						3.9	6.9
						3.0	6.4
						6.8	7.4
• 1						2.5	9,5
• 2						2.8	8 • . 6
• 1						2.3	8.0
• 7	• 4					11.6	11•3
1.8	,2	• 1				11.6	11.8
1.3	• 5	• 1				11.2	12.7
2 • 2	• 4					11.7	12.8
1.0	• 7					10.9	11.0
• 2						3 • 5	8.2
						1.7	10 • 3
						2.9	7.3
.5	.1		# # # # # # # # # # # #			2.1	13.4
11111	///////////////////////////////////////		1111111111	//////////	1111111	3.6	/////
8.5	2.3	• 2				100.0	9.8
	• • • • • • • • •	•••••		• • • • • • •	• • • • • •	• • • • • • • •	

ű Ç

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SUR USAFETAC FROM POURLY OB

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

• • • • • • • • • • • • • • • • • • • •	• • • • • • • •				4 * 4 * • • • • • • • • • • • • • • • •		* * * * * * * * * * * * * * * * * * *
DIRECTION   (DEGREES)	1-3	4 -6		11-16	17-21	22-27	IN KNOTS 28-33
N	1.6	1 • 2	1.4	• 2	. 1	• • • • • • •	
NE	1.0	• 8	1.1	. 7			-
NE I	1 • 3	1.1	1.1	• 5			
C GE	. 4	1 • 6	1.3		• 1		
E I	1.0	1.9	1.4	1.1	• 2		
ESE	.7	• 8	•6	• 4	• 1		-
SE !	.7	• 5	• 4	• 2	• 1		
SSE	.5	1.1	•7	• 4	• 1		-
s	1.4	2 • 5	3.6	4 • 1	• 6	•1	
SSW	1.1	1.3	3.4	3.7	2.0	•6	
su	.5	2 • 5	3.6	3.4	• 8	• 1	• 4
usw	• 2	1.6	3.6	4 • 1	1.9	•2	
w	.7	2.2	2.7	3 • 1	• 6	•2	
พท๙	.7	• 7	1.1	• 8			
NW	. 4	• 7	•7	. 1			
พทพ	1.0	• 6	1.4	. 2	• 1		
VARIABLE	: • • • • • • • • • • • • • • • • • • •		• • • • • •	1.0	• • • • • • •	• • • • • •	
CALK	111:11:111	/////////	1111111	///////////////////////////////////////	11/11/1/	[1][1][]	(/////////
TOTALS	13.1	21.2	28.2	24.1	7.0	1.3	• 4

		• • • • • •		PERIOD MONTH:	OF RECOR	D: 75 HOURS(LS	-76,79-86 T): 1500-	1700
		SPEED IN 22- <sub>2</sub> 7 2	KNOTS 28-33 34-40	41-47	48-55	GE 56	TOTAL	MEAN WIND
2	.1	• • • • • • • •	•••••	• • • • • • • •	• • • • • • •		4.6	5.6
7							3.6	6.6
5							4.0	6.2
	• 1						3 • 4	6.5
1	•2						5.7	7.7
4	• 1						2.7	6.5
2	•-1						1.9	6.1
4	• 1						2 • 8	7.2
1	• 6	• 1					12.4	9.3
7	2.0	•6					12.2	11.6
4	. 8	•-1	• 4				11.•3	10 • 3
1	1.9	• 2			f		11.7	11.6
1	• 6	•2					9.5	9.9
ş							3.4	7.3
1							1.9	6.4
3	• 1						3.4	7.0
	• • • • • • • •	• • • • • • • •	* * * * * * * * * * * * * * * * *	• • • • • • •	• • • • • • •		1.0	13.0
///	111111111	111111111	11/1/1/1/1/1/1/	///////////////////////////////////////	///////	////////	4.7	111111
1	7.0	1.3	. 4				100.0	8.6

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF USAFETAC PERCENTAGE FROM HOURL

AIR WEATHER SERVICE/MAC

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

							*****
DIRECTION   (DEGREES)	1-3	4-6	7-10	11-16	17-21	SPEED 22-27	28-3
N	2.7	. 8	.3	. 2		• • • • • •	• • • •
NNE	3.0	. 9	• 9	• 2			•
NE	2.2	1.6	• 8	• 3			
ENE	1.7	. 6	. 3	• 2			
E		• 8	• 3				
E SE	•9	• 3	• 5				
SE	.5	. 3		• 3	. 2		
SSE	• 3	• 3	• 8	• 5			-
S	1.7	3.1	3.3	1.7	. 5		-
SSW	2.3	3 • 4	5.6	4 • 1	1.3	• 3	
Su	1.9	4 • 1	39	4 • 1	• 5		-
usw	2.8	2 • 8	2.8	3.4	1 • 4	. 3	1
W	2.3	1 • 4	1.4	• 3			-
WNW	.5	• 6	• 6				
ки	1.1	. 6	. 3				
MNM	.8	. 9	•2	• 6			-
VARIABLE	[ • • • • • • • • • • • • • • • • • • •		.3	• 2	• • • • • • •		
CALM	!   / / / / / / / / / / / / / / / / / / /	////////	11111111	///////////////////////////////////////	11111111	///////	9111111
TOTALS	l   24.7	22.7	22.3	15.9	3.8	•6	•
• • • • • • • • • • • • • •	 						

TOTAL NUMBER OF OBSERVATIONS: 640

(

(

(

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE FROM HOURLY OBSERVA FROM HOURLY OBSERVA

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

• • • • • • • • • • • • • • • • • • • •	• • • • • • • • •	• • • • • • •			• • • • • • •	• • • • • • •		
DIRECTION (DEGREES)	   1-3 	4-6	7-10	11-16	WIN 17-21		IN KNOTS	34-40.
N	1.4	1 • 3	1.0	. 3	* * * * * * * *	* * * * * * * * ·	• • • • • • • •	• • • • • •
NNE	2.4	1 • g	• 3	• 5				•
RE	3.5	1 • g	• 5					
E NE	.8	1.0	• 5					ı
£	.6	• 5	• 2					
£ SE	• 2	• 6						-
>E	5	• 8	•2	• 3				
SSE	.5	• 3	• 8	. 5				
S	1.3	2.7	3.4	1.9				
SSW	1.6	4 + 6	3.7	3.7	٠2			
SW	2 • 1	5.0	4.3	4.6	1.1	•2		
NSW	3.2	2.6	1.8	3.5	. 8	• 2	• 2	
W	3.3	1.4	1.0	. 5	• 2			
พทพ	• 3	• 5		. 2				•
Wil	1.0	• 8	.3					
WM	.5	• 6	• 8					
VAKIABLE	   * * * * * * * * * * * * * * * * * *	•••••	3	• 2		• • • • • •		• • • • •
CALM	1111111111	1111111	11-111111	////////	////////	////////	117111111	111111
TOTALS	22.4	26 • 2	18.9	16.2	2.2	• 3	• 2	/
	• • • • • • • • •		*** * * * * * *	0 0 0 0 325 0 0			• • • • • • • •	• • • • •

	MONTH:	OC T	HOURS (LS	-76,80-86 (): 2100-	
ED IN KNOTS 7 28-33 34-40	41-47	48-55	GE 56	TOTAL %	MI,ND ME'AN
•••••••		• • • • • • •	••••••	4.0	5-4
				50	4.2
				5.3	3 • 6
				2.2	4.6
				1.3	3.9
				. 8	4.0
				1.8	6.4
				2.1	7.4
				9 • 3	7 • 4
				13.8	8.0
•2				17.3	8.6
•2 •2				12.2	8.7
				6.1	5.1
				1.0	5.7
				2 • 1	4.5
				1.9	5.3
* * * * * * * * * * * * * * * * * * *	Λ°E 8/3 # # € # -		• • • • • • •	••••••• •5	11.0
115511154115111111.	18111111	11111111	///////	13.6	/////
•3 •2				100.0	6.0

O

USAFETAC AIR WEATHER SERVICE/MAC

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE FROM HOURLY OBSE

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

• • • • • • • • • • • •	• • • • • • • • •	• • • • • • • •			• • • • • • •			
DIRECTION (DEGREES)	1-3	4 -6	7-10	11-16	WIN 17-21	D SPEED 22-27	IN KNOTS 28-33	34
N	1.5	1.0	1.2	.3	.1	* * **** * * *	• • • • • • • •	. • •
RNE	1.8	1.1	.8	• 4				
NE	2.1	1.3	• 9	. 3	• 0			
ENE	!   1.2	1.1	1.0	• 1	.0			-
Ε	1.0	1.3	1.3	• 5	• 1	•0		
E SE	.5	• 6	• 7	• 3	• 0	•0		
SE	.5	• 5	•6	• 3	• 1			
SSE	.4	• 7	• 9	• 5	• 1			
S	1.5	1.9	3.3	3.0	• 5	•2		
SSW	1.5	2 • 2	3.6	3.9	1.2	• 2	• 0	
SW	1.7	3.0	3.9	3.8	1.0	•2	• 1	
wsw	1.7	2.2	2.8	3.4	1.2	• 2	• 0	
W	1.8	1.4	1.5	1.7	. 4	• 3	• 0	
WNN	. 6 I	. 6	•6	• 4	• 1			•
1411	.4	• 5	. 4	. 3				
MNM	.5	• 5	1.0	• 3	• 0			
VARIABLE	1   • • • • • • • • • • • • • • • • • • •	• • • • • • •	2	• • • • • • • • • • • • • • • • • • •	••••••	•0	• • • • • • • •	• • •
CALM	l 	/////////	////////	13111111	////////	1111111	11/1/1/1///	///
TOTALS	18.4	20.0	24.7	19.8	5.0	1.2	• 2	-

ט טג		PERIOD OF RECORD: 75- MONTH: OCT HOURS(LST	76,,79-86 ): AL	L	
	SPEED IN 2-27 28	KNOTS 3-33 34-40 41-47 48-55 GE 56	TOTAL	MEAN WIND	
.1	• • • • • • • •		4.1	6.0	
			4 • 1	4 • 9	
•0			4.6	4 • 7	
•0			3 • 4	5 • 1	
• 1	•0		4 • 3	6.8	
• 0	•0		2.1	6.7	
.1			2.0	7 • 1	
• 1			2.6	7.6	
• 5	• 2		9.9	9.4	
1.2	• 2	• 0	1.2.7	9.9	
1.0	•2	•1	13.6	9.2	
1.2	• 2	• 0	11-•5	9.7	
<b>.</b> 4	. 3	•0	7.2	8,6	
. 1			2.3	7 • 1	
			1.6	6.4	
•0			2.4	6.9	
.1	.0		•.8	12.8	
/ <i> -</i>  //////	///////////////////////////////////////		10.7	111111	
5.0	1.2	• 2	100.0	7.3	
			• • • • • • • •		

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SUUSAFETAC FROM HOURLY ( FROM HOURLY (

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION   (DEGR <sub>EE</sub> S)	1-3	4-6	7-10	11-16		0 SPEED 22- <sub>2</sub> 7	
N	1,4	1 • 6	3.0	. 6	• • • • • • •	• • • • • • •	
NNE	1 • 4	1.0	1.0	• 2			
NE	1 • 4	1 • 6	1.8	. 6			
ENE [	1 • 2	1.4	• 5	. 1			
E	1.0	• 6	•6	• 4			
E S E	. 6	• 1	. 4	• 2			
SC	• 4	• 2	•6				
282	• 2	• 2	1.5	• 7			
S	1 • 0	1.0	4.6	2 • 2	• 7	• 4	
SSW	, 7	2.0	4.7	4.8	• 9	• 9	• 1
SW [	1, • 1	1.7	4.8	2 • 2	• 7	• 4	
rsr [	1 • 8	2 • 2	3.1	2.8	1.0	• 9	
W ]	1.7	1 • 6	• 9	• 7	• 2	• 2	
WNW !	1.0	• 6	• 4	. 5			
NU !	• 7	• 2	. 4	• 1			
NNK I	1.0	• 5	1.1	. 7	• 4		
VARIABLE	* • • • • • • •	• • • • • • •		• 2		•••••	
CALM	//////////	/////////	11111111	111111111	11111111	///////	11111111
TOTALS	16.2	16 • 6	29.3	17.4	3.9	2.7	• 1

TCTAL NUMBER OF ORSERVATIONS: 811

(

## ENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

		** * * * * * * * * * * * * * * * * * *		••••••	NO <sub>A</sub>				• • • • • • • •	• • • •
	SPEED ÎN 2- <sub>2</sub> 7 2		4-40	41-47	48-55	GE	56	TOTAL %	MEAN WIND	
	• • • • • • •	•••••	• • • • •	• • • • • •	• • • • • • • •	• • • •		6.5	6,6	• • • •
								3.6	5 4	
								5.4	6.2	
								3.2	4.9	
								2.6	5.6	
								1.4	6.2	
								1.2	5.8	
								2.7	8.5	
• 7	. 4							9.9	9.8	
• 9	• 9	. 1						14.1	11•2	
• 7	• 4							11.0	9.5	
10	• 9							11.8	9.9	
• 2	.2							5.4	7.0	
								2.5	6.4	
								1.0	6.6	
• 4								3.7	8 • 3	
• • • • • •	• • • • • •		• • • • •	• • • • • •	• • • • • • •	• • • •	• • • •	. 4	11.7	••••
1111111	11/1/1/1/	/////////	/////	111111	11/1/1/1/	////	1111	13.7	/////	
3.9	2.7	• 1						100.Ò	7.4	
		· • • • • • • •				• • • •			• • • • • • • •	

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SUSAFETAC PERCENTAGE FROM HOURLY FROM HOURLY

AIR WEATHER SERVICE/MAC

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

N KNO 28-33	SPEED 22-27		11-16	7-10	4-6		DIRECTION   (DEGREES)
, <b></b>	• • • • • •	• • • • • • • •	• 6	3.2	2.0	,6	N
			• 1	1.0	2 • 3	1.5	n ne
		• 4	• 6	1.3	1.0	1.1	NE
			• 6	• 7	• 7	1.5	E NE
				• 5	1.3	.6	£
			• 1	• 6	. 9	.6	E SC
				•6	• 5	.5	SE
			• 6	1.2	• 5	• 1	SSE
	• 2	• 9	3.4	2.9	1.0	• 2	S
	• 4	• 5	4.9	5 • 1	1 • 7	1.3	SSW
	• 2	1.0	3 • 1	4.2	2 • 3	2.0	SW
	•9	•⁻6	2.6	3.1	2 • 2	1.8	WSW
•	• 2	• 5	• 9	1.2	1 • 7	2.0	당
			• \$		• 5	. 7	WNW
			. 4	• 7	• 5	.5	NW
	• 1	• 4	. 6	1.2	. 9	• 1	NNK
• • • • •		• • • • • • • •	• 1	.4	, , , , , , ,	:   •	VARIABLE
/////	//////	///////////////////////////////////////	/////////	11/1/1///	1111111	1/1/1/1/1/	CALI
	2.1	4.2	19.1	28.0	19.9	15.2	TOTALS

			PERIOD MONTH:	OF RECORU	): 74. HOURS (LS	-76,80-86 T): 0300-0	05 00
WIND :	SPEED IN 2-27 2	KNOTS 8-33 34-40	• • • • • • •	• • • • • • •	GE 56	TOTAL	MEAN WIND
		** * * * * * * * * * * *	• • • • • • • •	• • • • • • • •		6.4	7.3
						4.9	5.2
. 4						4.4	7.5
• 4						3.5	5.7
						2.4	5.3
			•			2.2	5.8
						1.6	4.9
						2.4	7.8
• 9	• 2					8.7	11.1
•5	. 4					13.9	10.0
•0	• 2					12.7	8.8
.6	.9					11.1	9.5
•5	• 2	. 1				6.6	7.8
• 5	• 5	* 1				1.7	6.1
						2.1	7.1
• 4	• 1					3.3	
	• • • • • • • • • •					• 5	9.0
11111	////////	///////////////////////////////////////	1411111111	11111111	////////	11-•5	/////
1.2	2.1	. 1				100.0	7.4

USAFETAC AIR WEATHER SERVICE/MAC

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF FROM HOURL'

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION (DEGREES)	1-3	4-6	7-18	11-16		SPEED 22-27	
N	.8	2.1	2.6	• 5	• • • • • • • •	• • • • • •	• • • • •
NNE	1.3	2 • 2	1.3	. 5			,
NE	1.6	1.3	• 7	• 5	. 4		
ENE	1 • 3	1.4	• 7	• 1			
٤	. 7	8•	1.5	• 5			
E SE	. 4	• 7	• 9				
SE	• 1	.2	.1	• 6			
SSE	. 4	• ;	• 4	. 7			
S	.9	1.5	2.3	3.3	• 7		,
SSW	.6	2 • 5	4.1	5.5	• 9	•2	•
SW	1.6	2.9	3.6	4 . &	• 1	• 7	•
WSW	2.3	1.4	2.6	1.8	. 9	• 2	
W	2.9	1.9	1.1	• 7	. 1	• 4	
WNU	.5	. 4	• 6	• 1			
I4W	.7	• 6	1.2	٠ 4	. 1		
NNR	.4	1.1	• 9	• 5	. 5	• 2	
VARIABLE	! • • • • • • • • • • • • • • • • • • •			• 5			•••••
CALM	1111111111	/////////	11111111	///////////////////////////////////////	11111111	1111111	1111111
TOTALS	16.0	21.4	25.1	20.4	3.7	1.8	• 2
• • • • • • • • • • • •	; • • • • • • • • •		• • • • • • •				

RD UK				MONTH:	OF RECORD	OURS (LS	T): 0600-0	800	• • •
	SPEED IN 2-27 21		34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND	
•••••		• • • • • •	• • • • •	• • • • • • •	* * * * * * * * *	• • • • • •	6.0	6 • 4	• • •
							5.7	5.5	
. 4							4.4	6.3	
							3.5	4.7	
							3.5	6.7	
							2.0	6.2	
							1.1	9.7	
							1.9	7.8	
.7							8.8	10.0	
· 9	•2	• 1		-			13.9	10.5	
. 1	.7	• 1					13.7	9.6	
. 9	•2						9.2	8.6	
. 1	• 4						6.1	6.9	
							1.5	6.2	
• 1							2.9	7.2	
. 5	• 2						3.5	9.4	
• • • • • • •	,	• • • • • •			• • • • • • • • •	• • • • • • •	1.1	10.7	• • •
/////////	////////	///////	111111	'////////	111.111111	/////////	11.4	/////	
3.7	1.8	• 2					100.0	7.3	

USAFETAC

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SU FROM HOURLY O

AIR WEATHER SERVICE/MAC

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

NE   1. ENE   1. E   1. E   1.	6 1.5 2 1.7	2.6	1.0		ND SPEED 22- <sub>2</sub> 7	IN KNOTS 28-33
NNE   1.  ENE   1.  E   1.  E   1.	6 1.5 2 1.7	1.4	1.0	•2		• • • • • • • •
NE   1. ENE   1. E   1. ESE   .	2 1.7			• 2		
E		•9	. %			
E   1.	6 1.1		• 3	• 6		
E SE .		1.4	• 3			
1	0 1.4	1.5	. 7			
SE .	5 . 6	. 7	. 1			
1	3 .3	• 7	. 5			
SSE .	1	• 7	. 9		. 1	
s .	7 .1	1.7	2.8	1.2	• 3	
SSW 1.	3 1.1	4.2	5.2	1.6	•6	
SW 1.	4 2.2	4.1	4.1	1.5	• 3	•1
WSW 1.	2 2 2 2	2.4	4.3	• 7	•2	
W 1.	4 1 • 7	1.5	2.2	• 3	• 3	
KNW .	8 • 6	1.0	. 3			
NW .	1 • 6	1.1	. 2			
NNW .	6 1.1	. 7	1.5	• 1	• 2	
VARIABLE		3			• • • • • • •	•••••
CALM 1//////		,,,,,,,,	11161111	,,,,,,,,	,,,,,,,,	,,,,,,,,
TOTALS 14.	///////////////////////////////////////	,,,,,,,,,		(	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	.,,,,,,,,,,

D UK					NOV			76,79-86 ): 0900-	1100	••••
				41-47		GE	56	TOTAL	MEAN WIND	
	• • • • • •	• • • • • • •	• • • • • •	• • • • • • •	• • • • • • • •		• • • •	5.2	6.3	• •-• • •
• 2								4.7	8.0	
• 6								4 • 9	7.1	
								4.4	5.4	
								4.5	6.5	
								1.8	6.1	
								1.8	8.0	
	• 1							1.8	11.4	
1.2	• 3							6.9	12.4	
1.6	•6							14.5	10.7	
1.5	• 3	• 1						13.6	10.3	
• 7	,2							11-0	9.8	
• 3	• 3							7.4	9.0	
								2.7	6.7	
								2.0	7.6	
• 1	• 2							4.2	9.5	
	•••••	• • • • • •	• • • • • •			• • • • •	• • •	• 9	12-8	•••••
1111111	1111111	//////	//////	////////	//////////	-////	111	7 • 4	/////	
6.5	2.2	• 1						100.0	8.5	

O

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF USAFETAC FROM HOURLY FROM HOURLY

AIR WEATHER SERVICE/MAC

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

OIRECTION (DEGREES)	1-3	4-6	7-10	11-16	WIN 17-21	D SPEED 22-27	1N KN 28-3
N	. 3	1.8	3.3	1.1	• • • • • • •	• • • • • • •	• • • •
NNE	. 6	1 • 3	2.2	• ?			•
NE	1 • 1	1.8	1.4	. 8	• 6		
ENE	. 5	۶ •	1.0	• 6		• 1	
Ε	1 • 1	• 8	1.6	• 6	• 1		
ESE	٠ ٩	• 2	• 5	• 2			
SE !	• ?	• 5	• 9	• 2			
SSE	• 1	• 5	• 9	. 8	• 2		
s	• 2	1.3	1.9	3.4	• 6	.6	
SSW	. 5	<b>9</b> •	3 • 1	5.5	1.0	• 6	
SH	. 3	1.1	2.7	6.3	2.4	•6	
WSW	1 • 3	1 • 4	3.3	4.3	1.0	• 2	
H I	1 • 4	1 • 6	2.5	3.3	1.0	• 3	
WNW	• 1	. 9	1.6	1.6	• 2		
ии ј	• 5	• 8	.7	1.4			
NNW	• 1	. 9	• 9	. 7	• 1	• 3	
VARIABLE	• • • • • • • •		••••••	. 8	1	.1	• • • •
	1////////				////////	[]]]]]]]	/////
TOTALS	9 • 2	16.4	28.5	31.9	7.4	2.8	

TCTAL NUMBER OF OBSERVATIONS: 878

, IRE	FORD UK				MONTH:	OF RECOR	HOURS (LS	-76,79-86 T): 1200-	1400
	WINI 17-21	D SPEED I 22-27		4-40	41-47	48-55	GE 56	TOTAL	MEAN WIND
1				• • • • • •	• • • • • • •	• • • • • • •		6.6	7.6
?			•					4.3	6.9
1	• 6							5.7	7.9
ŧ		• 1						3.0	7.5
L	• 1							4.2	6.6
2								1.4	6.3
2								1.8	7.6
v	• 2							2-5	10 • 2
4	• 6	.6						'&. <b>•</b> 0	11.7
	1.0	•6						11.4	12.2
?	2.4	•6	• 1					14.0	12.5
ζ.	1.0	•?	• 1					11.6	10.8
r	1.0	• 3						10.1	10 • 4
,	• 2							4.4	9.9
•								3.3	8.1
,	• 1	• 3						3.1	10.5
••	.1						• • • • • • • •	1.0	15.3
1.11	////////	///////////////////////////////////////	///////////////////////////////////////	/////	///////	11///////	////////	3.5	111111
	7.4	2.8	• 2					100.0	9.8
••	• • • • • • •	• • • • • • • • •	*** * * * * * * *	• • • • •	• • • • • •	· •-• • • • • • •	• • • • • • •	•••••	• • • • • • • • •

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCL. NCE OF SURFAUSAFETAC FROM HOURLY OBSE

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

• • • • • • • • • • • • •					• • • • • • • • • • • • • • • • • • •		in knots	• • • •
DIRECTION   (DEGREES)				11-16			28-33	
N	.8	1.9	2.6	. 9		• • • • • • •	• • • • • • •	
NNE	• 7	1.5	2.0	• 2	• 1			
NE	1.0	1.5	.7	• 3	• 5			
E NE	.6	1 • 8	. 8	• 6				
3	1 • 1	1.5	• 5	• 2	• 1			
ESE	•1	1.1	• 5	• 2				
SE	• 3	. 9	•2	• 2				
SSE	.7	1.2	• 8	1.0		.1		
S	1 • 2	3.1	1.9	2 • 5	• 6	• 5		
SSW	1 • 1	1.5	3.7	3.9	1.1	• 1		
sv	. 9	2.9	3.9	3.7	1.2	• 2		
WSW	1.1	1 • 7	3.4	<i>U.</i> •- <i>U</i>	1.0	• 5		
t¥	1.1	1.9	2.5	3.4	. 5	•1		
F NH	.6	. 9	. 7	1.1	• 2			
NW	• 3	. 9	, €					
NNK	.1	• 8	1.5	• 2		• 3		
DARIABLE	•••••• [		.1	• 1		• • • • • •	•••••	• • • •
CALF	<i>                                   </i>	////////	11111111	(//////////////////////////////////////	7////////	1111111	11111111	////
TOTALS	11.9	24 • 3	26.4	23.2	5.3	1.8		
	,							• • • •

CY	0F	OCCURRENCE	0 F	SURFACE	WIND	DIRECTION	VERSUS	WIND	SPEED
		FROM HOU	JR L Y	OBSERVA	ATION:	S		_	

	SPEED IN KNO 2-27 28-33	34-40			GE 56	TOTAL %	ME AN	
• • • • • • •	• • • • • • • • • • •	• • • • • • • •	• • • • • • •		** • • • • • •	6.2	7.1	• • • •
• 1						4.5	6.8	
• 5				x		·4 • O	7.1	
						3.7	6.7	
• 1						3.4	5,5	
						19	6.6	
						1.7	5.9	
	•1					3.9	8.2	
• 6	•5					9.8	9.0	
1.1	•1					11.5	10.0	
1.2	•2					12.0	10.4	
1.0	•5					12.2	10.8	
• 5	•1					9.5	9 • 4	
• 2						3.5	8.9	
						1.8	5.1	
	•3					3.0	9 • 2	
• • • • • •	• • • • • • • • • • •	• • • • • • • •	• • • • • • •	• • • • • • • •	• • • • • •	.2	12.0	••••
///////	///////////////////////////////////////	11-1111111	////////	//////////	1111111	7.0	111111	
5.3	1.8					100.0	8.2	
	• • • • • • • • • • •	• • • • • • • • •		• • • • • • • •			*,,,,,,,,	• • • •

O

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SUSAFETAC PERCENTAGE FREQUENCY OF OCCURRENCE OF S

AIR WEATHER SERVICE/MAC

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION   (DEGREES)	1-3	4-6	7-10	11-16	WIN 17-21	ND SPEED IN 22-27 2	8-33
N	1.0	2 • 3	2.0	• • • • • • • • • • • • • • • • • • • •	•1	• • • • • • • •	••••
NNE	1.7	1 • 3	1.4	. 4			
NE	1 • 3	1 • 3	• 9	. 7	•1		
E NE	1 • 3	1.3	•6	• 1	•1		
E	.9	. 4	• 3	. 9			
E SE	. 6	• 7	.6	. 3			
SE	. 4	. 6	• 9				
SSE	.7	1 • 6	1.0	1.0	•	• 1	
S I	2.0	2 • g	2.3	3.3	÷7		
SSW	1 • 1	2.3	4.4	3.6	• 3	•3	
SW	1 • 3	3.4	2.8	2 • 8	1.7	• 3	
WSW 1	. 9	1 • 7	3.•0	2.3	• 4		
	2,7	1.6	2.1	2.1	• 7	• 1	
WNW I	1.1	• 3	• 4	. 3			
NW I	. 5	• 7	•6	• 1			,
l wan	, 6	• 6	1.0				
VARIABLE	• , , , , , , , , , , ,				· • • • • • • •	•1	•••
CALM I	/////////	////////	(1///////	[]]]]]]]]]	'////////	///////////////////////////////////////	///
TOTALS	17.3	22 • 7	24.3	18.9	4.3	1.0	

## ENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

FORD UK			PERIOD MONTH:	OF RECOR	D: HOURS	74- (LST	76,79-86 ): 1800-	2000	,
wIND 17-21	SPEED IN 22-27 28	KNOTS -33 34-40	41-47	48-55	GE !	• • • • 56	TOTAL %	MEAN MEAN	ر ز
-1		• • • • • • • • • • •	• • • • • • •	• • • • • • •	• • • •	• • • •	6.2	6,9	
							4.8	5.6	
•1							4.3	6.6	j
.1							3 • 4	5.3	5
							2.4	7,4	J
<b> </b>							2.1	6.1	Ç
							1.8	5 • 4	¥
	• 1						4.4	7.4	)
• 7							11.1	8.8	C
• 3	. 3						11.9	9.2	C
1.7	• 3						12.4	10.0	J
. 4							8.2	9 • 1	()
• 7	•1						8.7	8.4	,
							2.1	4.6	)
							2.0	5.5	)
							2 • 1	5.7	· *)
	•1	• • • • • • • • • • •	• • • • • • •	*** * * * * * * *	* • • • •	• • • •		16.3	••••
				////////	11111	///	11.5	111111	)
4.3	1.0						100.0	7.1	0
•••••	• • • • • • • • •		• • • • • • •	• • • • • • •	• • .• •	• • • •		•••••	
									0

USAFETAC

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF FROM HOURL

AIR WEATHER SERVICE/MAC

(

(\_

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION   (DEGREES)	1-3	4 -6			17-21	-	
N		3 • 5	2.6	• 5	• • • • • • •	• • • • • • •	) <b>(</b> • ·
NNE	1.9	• 2	1.2	. 3			
NE	1.6	2 • 2	• 7	. 5			
ENE	. 7	1 • 7	• 5	. 2			
E	. 7	1.0		. 5			
E SE	• 3	• 2	• 9	• 3			
SE	• 3	1.2	1.0	. 2			
SSE	• 3	1.0	1.0	. 5			
s i	.9	2 • 6	2.9	2.8	• 3	• 3	
SSW	1.9	2 • 8	3.1	6 • 2	• 5	• 5	
sw	2.2	2 • 6	3.8	2.4	• 5	• 5	
WSW	2.4	2 • 1	2.2	2.8	• 7	• 2	
'w	1 • 9	1 • 6	1.0	• 3	• 2		
WAW	. 7	• 3	•2	. 2			
NW	, 9	• 7	• 3	• 2			
พทพ	• 2	. 7	•5	• 5			
VARIABLE	, , , , , , , , , ,		<u>.</u> 2	• 2		• • • • • • •	•••
CALM	//////////	(///////	////////	111111111	////////	11111111	′//
TOTALS	17.4	24 • 9	22.3	18.7	2.2	1.6	

## ENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

FORD UK					F RECOR					
<b>}</b>					NOV			): 2100-	2300	
WING 17-21	SPEED II 22- <sub>2</sub> 7		34-40 4	1-47	48-55	GE	56	TOTAL	ME AN WIND	
• • • • • • •	• • • • • • • •		• • • • • • • •	• • • • •	• • • • • • •	••••	• • • •	7.1	6,6	• • • •
		~						4.0	5.4	
								5.0	5.9	
								3.1	5.6	
								2.2	6.5	
								1.7	7.7	
								2.8	6.3	
								2.9	6.7	
• 3	• 3							9.8	9 • 2	
• 5	•5	• 2						15.2	10.3	
• 5	•5							12.1	8.6	
• 7	• 2							10.4	8.6	
• 2								5.0	5.5	
								1.4	4.6	
								2.1	4.9	
								2.1	8.3	
	•••••	• • • • • • • •		• • • • •	• • • • • •	• • • • •	••••	3	10.5	• • • • •
711111111	11111111	(1111111)		111111	1111111	/////	///	12.8	111111	
2.2	1.6	• 2						100.0	6.8	

 $\bigcirc$ 

GLUBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SU USAFETAC PERCENTAGE FREQUENCY OF OCCURRENCE OF SU

AIR WEATHER SERVICE/MAC

(

ا\_د

1 1

1

ť

(

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

UIRECTION   (DEGREES)	1-3	4 -6	7-10	11-16		0 SPEED 22- <sub>2</sub> 7	IN KNOTS 28-33
N [		2.0	2.7	.7	.0	• • • • • • •	• • • • • • • •
MNE	1 • 2	1.5	1.5	. 4	• 0		
NE	1 • 3	1.5	1.1	. 6	• 3		
E NE	1 • 1	1.3	• 8	. 5	• 0	•9	
E į	.9	1.0	• 9	. 5	•0		
ESE	• d	• 6	• 6	. 2			
SE	• 3	• 5	• 6	• 2			
SSE	. 3	• 7	• 9	. 9	• 0	•0	
\$	.9	1 • 6	2.5	3 0	• 7	. 3	
SSW	1 • 1	1.8	4 • 1	4.9	• 9	• 4	• 0
Sh l	1.4	2 • 2	3.7	3.7	1.2	• 4	• 0
WSW	1 • 6	1 • p	2.9	3.2	. 8	• 4	•0
iv I	1.7	1.7	1.6	1.8	• 5	• 2	• 0
NNW	.7	• 6	•6	. 6	• 1	,	
NM I	.5	• 6	• 7	. 4	•0		
NNW	. 4	• 3	1.0	• 6	•2	• 2	
VARIABLE	•••••		.2			•6	• • • • • • • •
CALM I	///////////////////////////////////////	///////////////////////////////////////	/////////	///////////////////////////////////////	11111111	///////	///////////////////////////////////////
TOTALS	14.5	20.3	26.5	22.1	4 • 8	2.0	. 1

TOTAL NUMBER OF OBSERVATIONS: 6407

RD UK	• • • • • • •			:HTMON		OURS (LŚ	-76,79-86 T): AL	
		IN KNOTS 28-33		41-47	48-55	GE 56	TOTAL 2	ME A N WIND
.0	• • • • • • •		• • • • • •	• • • • • • •	••••••		6.2	6.9
۰٥							4.6	6.1
• 3							4 • 8	6.9
•0	•0						3.5	5.7
•0							3 • 2	6 • 3
							1.8	6.3
							1.7	6.6
• 0	• 0						2.8	8.4
• 7	• 3						9.0	10 • 2
• 9	• 4	• 0					13.2	10.6
1.2	. 4	• 0					12.7	10.1
. 8	• 4	• 0					10.8	9.8
• 5	• 2	• 0					7.5	8.5
• 1							2.6	7.5
·c							2.2	6.8
•2	•2						3 • 2	9 • 1
.0	 .6	• • • • • • • •	• • • • • •	•••••		• • • • • • •	• • • • • • • • • • • • • • • • • • • •	12.5
'////	////////	///////////////////////////////////////	1111111	///////	////////	////////	9.6	/////
4 . 8	2.0	. 1					100.0	7.9

Ö

O

USAFETAC AIR WEATHER SERVICE/MAC

1

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURF FROM HOURLY OBS

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION   (DEGR <sub>EE</sub> S)	1-3	4 -6	7-10	11-16		D SPEED I 22- <sub>2</sub> 7	
N		• 6					• • • • • • •
N'NE	1.3	. 3	2.3	. 1	• 1		
NE I	1 • 8	1.2	•9	. 3			
ENE	.8	1 • 8	1.2	• 3	•1		
E	.9	.9	1.0	• 3	•••		
E SE	. 3	. 3	.4	• •	• 1		
1				c			
SE	• 3	.9	•5	.5	• 1		
SSE	<b>,</b> 4	• 3	8•	1.5	• 1	7	
S I	1.0	1.2	2.2	2.7	8•	• 3	
SSW	1 • 2	1.5	3.0	3.4	1.0		
SH	1.5	3.9	4.9	5.0	• 9		• 1
wsw	1.7	2 • 8	4.1	4 • 6	1.8	.6	
w j	2.5	1.0	•8	1.7	• 8	• 4	
rnn	.8	• 4	• 1				
NVI 1	. 6	1.2	1.0	• 3		• 1	• 1
nnw	• 3	• 6	• 3	• 9			
VARIABLE	* • • • • • • •	• • • • • • •	• • • • • • • •		• 1	•••••	• • • • • • • •
CALK	/////////	/////////	///////	///////////////////////////////////////	////////	11111111	//////////
TOTALS	15.2	18.8	23.9	22.3	6.2	1.4	. 3

TOTAL NUMBER OF OBSERVATIONS: 775

) IN KNOTS 28-33 34-40			TOTAL 2 1.9 4.1 4.1	MEAN WIND 9.9 6.8 4.8
• • • • • • • • • • • • • • • • • • • •		• • • • • • • •	1.•9 4 • 1 4 • 1	9.9 6.8
			4.1	
				4.8
			. · ·	
			4.1	6.1
			3.1	5.7
			1.0	6.3
			2.3	8.4
			3.1	10.4
3			8.1	10.7
			10.1	10.1
• 1			16.4	9.1
5			15.7	10.5
			7.1	9 • 1
			1.3	3.3
1 .1			3.4	7.8
			2.1	8.9
	• • • • • • • • • • • • • • • • • • • •	• • • • • • • •	.1	18.0
		111111111	11.9	111111
4 .3			100.0	7.9
	.1	.1	.1	8.1 10.1 16.4 15.7 7.1 1.3 1.1 2.1

O

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • •	• • • • • •	• • • • • • •	• • • • • • • •	uTN:	D SPEED IN KNC
DIRECTION (DEGR <sub>EES)</sub>	l 1-3	4 -6	7-10	11-16	17-21	22-27 28-33
N	.4	, r	1.2	1.0	.1	• • • • • • • • • • • • • • •
NNE	1.2	1.0	• 8	• 4		
NE	1.3	1 • 9	1.2	• 4		
ENE	1.2	1 • 7	• 9	• 1	• 1	
£	,9	. 9	1.3			
ESE	, 5	. 3	• 3			
SE	.1	• 4	. 4	• 9	. 1	
SSE	.5	• 3	. 3	1.5	• 1	
S	1.3	2.0	1.9	3 • 3	1.0	•1
SSW	2.6	1 • 4	3.7	3.5	1.2	•3
SW	1.5	1.7	5 • 4	4.7	. 9	. 3
WSW	2.2	2.9	3.3	5.5	. 6	<b>.</b> 5
W	1.7	1.3	1.0	1.3	. 8	• 3
WNW	1.0	۰6	•5	. 4	• 1	
NW	.3	• 8	.6	. 3	. 1	
NNW	.1		• 5	1.2		
VARIABLE	: • • • • • • • • • • • • • • • • • • •	•••••	••••••			••••••
CALM	, 	1//////	////////	/////////	////////	///////////////////////////////////////
TOTALS	16.6		23.1	24.4	5.2	

TCTAL NUMBER OF OBSERVATIONS: 782

C

(

(

)

C

UK		PERIOD MONTH:	OF RECOR	): 74	-76,80-86 T): 0300-	-0500
u t w t t t	SPEED IN KNOTS				• • • • • • • •	•••••
	22-27 28-33 34	-40 41-47	48-55	GE 56	TOTAL %	MEAN Wind
.1		• • • • • • • • • •	• • • • • • •		3.2	9,4
					3.3	5.7
					4.7	5.5
• 1					4.0	5.7
					3 • 1	5.5
					1.0	4.5
• 1					1.9	10 • 2
• 1					2.7	10.7
1.0	• 1				9.7	10.1
1.2	• 3				12.5	9.4
• 9	. 3				14.5	9.6
. 6	• 5				15.1	9.5
.8	• 3				6.3	9.0
• 1					2.7	6.4
• 1					2.0	7.6
					1.8	10.9
		• • • • • • • • • • •	• • • • • • •	• • • • • • •	• • • • • • • •	
////////		///////////////////////////////////////	7///////	////////	11.5	111111
	1.4				100.0	7.7

₹

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF USAFETAC FROM HOURLY FROM HOURLY

AIR NEATHER SERVICE/MAC

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION   (DEGREES)	1-3	4 -6	7-10	11-16		D SPEED 22- <sub>2</sub> 7	28-3
N	.2	. 9	1.1	1.2	• • • • • • • •		• • • • •
NNE	1.5	• 7	• 7	• 5	•1	~	
NE	1 • 1	1.0	1.1	• 1			
ENE	. 6	• 5	1.2	• 2			
E	. 7	. 4	1.2	. 2			
ESE !	. 9	• 2	• 9	• 1			
SE	• 1	• 1	• 4	• 5		•2	
SSE !	. 4	• 2	•6	1.3	•5	• 4	
S	1 • 1	1.2	1.2	2.6	•5	•2	
SSW	1.8	1.7	4.4	5 • 2	1.6		
SW I	2.2	2 • 4	5.5	5.4	• 7	•1	
wsw	1.6	2.9	2.9	6 • 2	1.0		
W	2.4	1 • 8	•7	1.5	.6	•2	
k.NN	.5	. 4	•5	• 1		• 1	
หน	. 5	. 4	. 4	. 7			
BNN [	• 1	• 6	• 7	1.2			
VARIABLE	*	, <b></b>	•••••	. 1	• • • • • • •	• • • • • • • •	
CALM	11/1/1/1/	////////	11/1////	7/////////	////////	////////	////
TOTALS	15.7	15.9	23.5	27.3	5.0	1.3	

TOTAL NUMBER OF OBSERVATIONS: 822

(

(

(

O

AIR WEATHER SERVICE/MAC

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACTUSAFETAC

FROM HOURLY OBSERT

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION	1-3	4-6	7-10	11-16	17-21	22-27	ÎN KNOTS 28-33	34-1
(DEGREES)					<i></i>	• • • • • •	• • • • • • • •	ا ا
М	• 4	• 5	1:3	1.6	• 1			
NNE	1 • 3	• 4	1.0	• 2				
NE 1	• 2	• 7	1.0	• 1				
ENE ]	. 7	• 7	1.0	• 2				
E	. 7	• 6	1.1	1.2				
F SE	• 6	• 1	.8	• 2				
SE	• 4	• 4	• 1	. 4	•1	•2		
S SE	.5	• 6	•2	1.0	• 7	•1		
s	. 6	• 8	2.6	2.5	• 8	• 6		ı
SSW	. 7	1.0	3.1	5.4	1.5	• 2		,
SW	1.7	2 • 6	5 • 2	4.5	1 • 3	•2		,
wsw	2.7	1.7	4.8	6.2	1 • 9	1.0		
W [	2.4	• 8	1.4	2.5	• 5	• 2		
nun [	. 4	• 5	• 7	• 5	• 6			
Nw I	. 5	• 2	.8	• 6	• 1		•	
1 KM10	.5	• 8	.6	1.2				
VARIABLE	• • • • • • • • •		2	• • • • • • • •	•2			• • • • •
1	/////////	/////////		///////////////////////////////////////		////////	///////////	·/////
TOTALS			25.9			2.6		

TOTAL NUMBER OF OBSERVATION : 841

UK UK					MONTH:	DEC	OURS (L	4-76,79-86 ST): 0900-1	
wII -21	ND SPE 22 <b>-</b> 2	ED 7	ĬŇ KNOTS 28-33	34-40	41-47	48-55		TOTAL %	ME'AN WIND
.1	• • • • • •	•••	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • • •		3.2	8.9
								2.9	5.6
								2.0	6 • 4
								2.6	6.1
								3.6	7 • 8
								1.8	6.9
• 1		•2						1.5	10.2
• 7		. 1						3.1	11.7
. 8		• 6						8.0	11.6
1.5		• 2						11.9	11.6
1.3		• 2						15.6	10.0
1.9	1	. • 0						18.2	10.5
. 5		• 2						7.8	8.8
• 6								2.6	9.9
. 1			ı					2.3	8.8
								3.1	8.5
•••	• • • • •		•••••		• • • • • •	• • • • • • •	• • • • • •		14.0
////	/////	////		///////////////////////////////////////	////////	11111111	//////	/ , 9.4	111111
8.0	2	2.6						100.0	8.9
	•••••	• • •	•••••	••••••	•••••	•••••	• • • • • • • • • • • • • • • • • • •	•••••	

CY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED

USAFETAC AIR WEATHER SERVICE/MAC

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF FROM HOURLY

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION   (DEGREES)	1-3	4-6	7-10	11-16		D SPEED 22-27	
N	.4	1.0	1.7	. 8	.2		· • • • • • • · · · · · · · · · · · · ·
HNE	• 1		•2	• 1	• 1		
NE	• 1	• 6	1.0	. 4			
E NE	1.0	1.1	•1	. 2			
E	1 • 1	1.0	1.2	1.0			
ESE	• 1	. 4	. 4	. 1			
SE	, <b>4</b>	• ធ្	• 4	. 4	• 6	• 1	,
SSE	• 2	• 2	1.1	1.2	. 4	• 1	
S [	• 1	• 6	2.2	2.5	1.1	•1	• 2
SSW	.5	1 • 9	3.7	5.7	1.8	• 6	
SW	1.2	1.4	4.3	5.3	1.1	• 4	
wsw	1.4	2 • 1	5.3	7.6	1 * 3	1.1	• 1
is	1 • 1	• 5	3.1	3.4	• 6	•2	•2
i I wiiw	• 11	. 5	1.0	1.7	•2		
NU [	. 4	• 2	1.6	• 6	• 2		
1   Hun	• 4	• 5	1.8	1 • 4	•2		
VARIABLE	** 7		.1	• • • • • • • •			••••••
CALM	//////////	11111111	11111111	111111111	41111111	7777777	111111111
TOTALS	8.8	12 • 4	29.2	32.4	8,0	2.7	• 6

TOTAL NUMBER OF OBSERVATIONS: 829

# ENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

		IN KNOTS 28-33	34-40	41-47	48-55	GE 5	66 T (	TAL	ME AN WIND	
•2	• • • • • •	• • • • • • • •	• • • • •		• • • • • • • •	•••••	• • • • • •	4.1	8,6	• • • • •
• 1								• 6	10.2	
							-	2.1	7.5	
								2.4	4.5	
								4.2	7.1	
								1.0	6.4	
• 6	.1							2.3	10.6	
. 4	• 1							3.3	10.7	
1.1	• 1	. 2						6.9	12.5	
1 • 8	• 6							14.2	11.6	
1.1	• 4							13.8	10.8	
1 • 3	1.1	• 1						18.9	11.4	
• 6	•2	• 2						9.2	11.1	
. 2								3.7	1.0 • 2	
• 2								3.0	9.1	
• 2								4.3	9.7	
• • • • •	• • • • • •	•••••	• • • • • •		• • • • • • •	••••	• • • • •	1	9.0	• • • •
//:///	///////	11111111.	! <i>!!!!!!</i>	1111111	///////////////////////////////////////	11:411	<u>[.]                                    </u>		1-11111	
8.0	2.7	. 6				•	-	100.0	9.9	

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF : USAFETAC PERCENTAGE FROM HOURTY

AIR WEATHER SERVICE/MAC

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION (DEGREES)	1-3	4 ~6	7-10	11-16		SPEED 1 22- <sub>2</sub> 7	N KNO 28-33
N	.9	1 • 3	1.0	• 5	• 1	• • • • • • •	•
NNE	.6	• 4	•6	• ti			
NE	1 • 1	1.0	1.0	• 2			
ENE	.5	1.0	• 7				
٤	.6	• 7	• 9	• 5			
FSE	.7	• 6	• 1	• 2			• :
SĘ	.5	• rt	• 7	• 9	• 1	•2	
SSE	• 2	• 2	•.9	1.0	. 4		
S	1.1	2 • 4	3.7	2.9	. 7	- 1	•;
SSW	1,5	2 • 8	2.8	3 • 4	1.3	• 2	
SW	1.0	3 • ₽	4.9	3 • 3	• 7	• 7	
WSW	.7	2 • 8	4.2	4 • 6	1.7	1.0	• ŧ
W	1.7	1 • 7	2.3	2 • 3	• 5		
F.NM	4	1 • 1	. 4	• 5	.2		
NW	1.0	, 9	1.3	. 5			
NNV	• 1	• 7	2.0	• 9			
VARIABLE	} • • • • • • • • • • • • • • • • • • •		• • • • • • •	• 2	c • • • * • • • •		• • • • • •
CALM	///////////////////////////////////////	1111111	11111111	/////////	////////	////////	1111111
TOTALS	12.6	21 • °	27.4	22.4	5.9	2.3	1 • 1
				• • • • • • •	• • • • • • • • • • • • • • • • • • •	• • • • • • •	• • • • • •

TCTAL NUMBER OF ORSERVATIONS: 818

(

### CENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

	D SPEED II 22-27		40 41-47	48-55	GE 56	TOTAL *	MEAN WIND	
.1	• • • • • • • •	.1		• • • • • • • •	• • • • • •	3.9	7.5	• •
						2.0	6.8	
						3 • 3	<sup>1</sup> 5 . 4	
						2.2	5.2	
						2.7	7.1	
		• 1				1.8	6 • 4	
•1	• 2					2 • 8	9.9	
. 4						2.7	10.6	
• 7	•1	• 2				11.2	9.5	
1.3	•2					12.1	9.9	
• 7	• 7					14.4	9.7	
1.7	1.0	.6				15.6	11.8	
• 5		•				€,6	8 4	
.2						2.6	8.0	
						3.7	6.5	
		,				3.7	8.5	
			• • • • • • • • •	• • • • • • • •	• • • • • • •	.2	13.5	• • •
//////	/////////	 	!////////////	1.11111111	///////	6.5	111111	
5.9	2 • 3	1.1				100.0	8.6	

 $\bigcirc$ 

0

USAFETAC -AIR WEATHER SERVICE/MAC

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF S FROM HOURLY

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

	• • • • • • • • • •			, <b></b>		•••••	
OIRECTION   (DEGR <sub>E</sub> S)	l   1-3 	4-6	7-10	11-16		D SPEED I 22- <sub>2</sub> 7	IN KNOT 28-33
N	9	1.4	•6	. 4	• • • • • • •	. 3	.1
KNE	. 3	1.0	• 6	. 4			
NE	1 1.4	• 6	1.0	• 3			
E NE	1.7	1.4	• 9	• 1			
E I	.9	• 4	1.0	• 4	• 1		
E SE	.6	• 7	.6			• 1	• 1
SE !	.6	• 1	• 4	• 7			• 1
SSE	• 3	• 1	1.0	1.2	• 7	• 1	
S !	, , ,	2.9	2.9	2.5	1.3	• 3	
SSW	1.3	4 • 8	2.6	5.8	1.4	• 6	
2 h	1.4	3 • g	4.3	3.0	1 . 3	. 3	
WSW	2.0	1 • 6	2.9	3.C	1.2	1.0	• 3
w !	1.6	1.2	1.2	• 9	• 4	• 1	
1 NN 1	.7	, 9	• 1	. 3	• 1	.1	
NW I	.4	• 3	1.2	. 3	•		
thu	.4	1.0	1.3	1.0			
VARIABLE	1		*****	, • • • • • • • •	• • • • • • •	•••••	••••••
CALM [	, [ <i>////////////////////////////////////</i>	11111111	'////////	!!!!!!!!!	(11111111	////////	11111111
TOTALS !	15,7	22.3	22.6	20.4	6.7	3.0	• 7
· · · · · · · · · · · · · · · · · · ·	• • • • • • • • • •	• • • • • • •		•••••			• • • • • • •

TOTAL NUMBER OF OBSERVATIONS: 690

(

(

RF 0	RD UK			PERIOD MONTH	OF RECOR	D: 74 HOURS(LS	-76,79-86 T): 1800-	2000	
1	wIND 7-21 2	SPEED IN 2-27 2	KNOTS 8-33 34-	40 41-47	48-55	GE 56	TOTAL %	MEAN WIND	
• •	• • • • • • •	.3	.1	• • • • • • • • •	• • • • • • • •	• • • • • • •	3.8	8.2	••
							2.3	7.0	
							3.3	5. 2	
							4 • 2	4.5	
	• 1						2.9	7.0	
		•1	• 1				2 • 2	7.8	
			• 1				2.0	9 • 4	
	• 7	• 1					3.5	12•2	
	1.3	• 3					10.7	9.6	
	1 • 4	• 6					16.5	10.0	
	1.3	• 3					14.2	9 • 1	
	1.2	1.0	• 3				12.0	10.9	
	• 4	• 1					5 • 4	7.7	
	• 1	• 1					2.3	7.6	
	*						2.2	7.3	
							3.8	7.9	
• • •	• • • • • • •		•••••			• • • • • • •		3.0	•••
Y / /	///////	111111111		///////////	/////////	////////	8.6	111111	
		3.0	• 7				100.0	8.1	

AIR WEATHER SERVICE/MAC

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF USAFETAC FROM FOURL FROM FOURL

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

• • • • • • • • • • • • • •						• • • • • • •	
DIRECTION.	1-3	4-6	7-10	11-16			N KN 28-3
N N	.5	• 5	.2	• • • • • • • •	• • • • • • •	• • • • • • • • • • • • • • • • • • •	• • • •
NNE	1.4	1.0	.7	. 7			
NE	2,4	1.2	1.4				
C NE	)   .9	2.1	. 3	٠.٤			
£	. 7	1.0	1.0	• 3			•
E SE	• 2	• 2	. 3				
SE	.5		.5	• 7			,
SSE	• 3	1.0	1.2	2.2	. 2		ř
s	1 • 2	2 • 7	3.6	2.9	. 7		
SSW	1.7	3 • 6	2.1	3.8	• 5	.3	
SW	2.9	5 • 8	4.1	4 • 3	1.7	• 7	•
WSW	1.2	2.7	2.6	3.1	1.2	• 3	•
W	1.4	1.7	1.0		• 3		•
WNW	.9	• 3	• 9	. 2	• 2		
เงษ	.3	• 2	• 9	. 3			
MW	.3	• 5	• 7	. 5			-
VARIABLE	! • • • • • • • • • • • • • • • • • • •	• • • • • • •				•••••	• • • • •
CALM	: [/////////	/////////	11111111	11111111	////////	///////////////////////////////////////	/////
TOTALS	1   16.8 	24 • 7	21.5	19.8	4.8	1.9	•
• • • • • • • • • • • • •	• • • • • • • • •		• • • • • • •			• • • • • • •	

TOTAL NUMBER OF OBSERVATIONS: 582

(

(

I QUE N	ICY (	)F 0C0	URREN FROM	CE OF SUP POURLY OF	RFACE W BSERVAT	IND DIRE	CTION VE	RSUS WIN <sub>[</sub>	SPEED		)
IRF O	RD L					:HTMON	DEC	HOURS (LS)	-75,80-86 []: 2100-	2300	)
, 1		IND S	PEED :	IN KNOTS		41-47	48-55		TOTAL %	MEAN WIND	ر ر
,	••••		.5	• • • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •		1.7		
, 7									3.8	5.5	
									5.0	4.6	C
į									3 • 8	5.6	
3									3.1	6,6	<b>)</b>
									• 7	6 <b>.</b> ŋ	)
7									1.7	8,5	•
2	•	2							5.0	10 • 1	)
9	•	. 7							11.2	8.9	Ç
8		5	• 3						12.0	8.9	,
3	1 .	. 7	• 7	• 2					19.8	9 • 1	)
1	1 .	2	• 3	• 2					11.3	10 • 2	)
	,	. 3		• 2					4.6	6.4	
, ,	ı	. 2							2 • 4	7 • 1	)
?									1.7	7.0	_)
5									2.1	7.5	,
* * * *	• • •	• • • • •		•••••	• • • • • •	• • • • • • •	•••••	• • • • • • •		14.0	••••
1111	////	/////	//////	////////	//////	11111111	11111111	///////	10.0	111111	)
<b>B</b>	4	• 8	1.9	. 5					100.0	7.5	$\langle \hat{\cdot} \rangle$

0

O

USAFETAC

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SUF FROM HOURLY OF

AIR WEATHER SERVICE/MAC

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • •		• • • • • • •	• • • • • • •	* * * * * * * * *		TH VNOTE
DIRECTION (DEGREES)	1-3	4 -6	7-10	11-16	17-21		IN KNOTS 28-33
N	. 4	.8	1.0	.7		•1	•0
NE	.9	• 6	• 9	• 3	•0		
NE	1 1 1	1.1	1.0	• 2			
ENE	.9	1.2	•8	• 2	• 0		
Ε	.8	. 7	1.1	• 5	•0		
ESE	.5	• 3	•5	• 1	• 0	.0	• 0
SE	.3	• 4	. 4	• 6	• 1	• 1	• 0
SSE	!	. 4	• 7	1.3	• 4	• 1	
S	.9	1.7	2.5	2.7	• 9	•2	• 1
SSW	1.4	2 • 2	3.2	4.5	1.3	• 3	
2 %	1.6	3 • 1	4.9	4.5	1.1	.3	• 0
WSW	1.7	2 • 4	3.8	5 • 2	1.4	.7	• 1
W	1.9	1.2	1.5	1.8	.6	•2	• 0
r NM	.6	• 6	• 5	• 5	. 2	.0	
พน	.5	• 5	1.0	• Ë	. 1	•0	• 3
NNW	• 3	• 6	1.0	1.1	• 0		
VARIABLE		•••••			.0	• • • • • • •	• • • • • • • •
CALM	///////////////////////////////////////	1111111	11111111	111111111	////////	///////	11111111
TOTALS	14.3	17.9	24.8	24.9	6.3	2.1	. 4
					<i>.</i>		

TOTAL NUMBER OF OBSERVATIONS: 6139

(

17-	WINI 21	22-27	IN KNOTS 28-33	34-40 41-4	7 48-55	GE 56	TOTAL %	ME AN WIND
• • • •	.1	.1		• • • • • • • • • • •	• • • • • • • •	• • • • • • • •	3.2	8.7
	.0						2.8	6.3
							3.5	5.4
	.0						3.2	5.6
	.0						3 • 2	6.7
	•0	•0	• 0				1.5	6.4
	• 1	•1	• 0				2.0	9.9
	. 4	• 1					3.3	11.1
	• 9	• 2	• 1				9.0	10 • 3
	1.3	• 3					13.0	10 • 2
	1.1	• 3	• 0				15.5	9.6
	1.4	• 7	• 1				15.4	10.6
	. 6	•2	• 0				7.2	8.8
	. 2	•0					2.4	8.0
	• 1	•0	• 8				2.6	7.7
	• 0						3.0	8.9
• • • •		• • • • • •	••••••	•••••••	• • • • • • • • •	•••••		12.9
////	////	//////	///////////////////////////////////////	///////////////////////////////////////	1111111111	11111111	9.3	/////
	6.3	2.1					100.0	8 . 4

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF USAFETAC PERCENTAGE FROM HOURLY FROM HOURLY

AIR WEATHER SERVICE/MAC

(\_

(

STATION NUMBER: 336440 STATION NAME: RAF FAIRFORD UK

DIRECTION   (DEGREES)	1-3	4-6	7-10	11-16	17-21	D SPEED IN 22-27 2
N	1.6	1.9	2,2	1.1	.2	.0
NNE	1 • <sup>4</sup>	1 • 8	1.6	. 8	. 1	•0
NE	1 • 4	1 • 7	1.9	1.2	. 1	•0
C NE	. 9	1.3	1.2	• 6	. 1	•0
E	. 9	1.0	1.1	. 5	•0	•0
FSE	. 5	, 5	• 5	. 2	•0	•0
SE	. 4	, c,	• 5	. 3	.0	•0
38.3	. 4	. 6	.8	. 6	. 1	.0
S [	. 9	1.5	2.4	2.5	• 5	•2
SSW !	1 • 3	2.1	2.9	3.0	• 7	•2
su i	1.7	2 • 6	3.2	2.8	• 7	•2
WSW	1.4	1 • ε	2.8	3.4	• 9	. 4
W [	1.6	1.5	1.8	1.8	.5	•2
te NW	.7	• 7	. 9	. 6	. 1	•0
NW [	.6	• 8	1.0	. 6	• 1	•0
NIVW	,5	. 9	1.2	• 6	• 1	•0
VARIABLE	.0			3		.0
CALM	111111111	////////	11111111	111111111	7///////	11111111111
TOTALS	16.2	21.1	26.4	20.7	4.2	1.4

TOTAL NUMBER OF OBSERVATIONS: 71893

	FORD	UK				PERIOD MONTH:	OF RECOR	HOURS (LS	-76,79-87 T): AL	L
,	17-2		D SPEED 22-27	in knots 28-33	34-40	41-47	48-55	GE 56	TOŤAL %	MEAN WIND
1		• 2	•9	•0	• • • • • •	• • • • • • •	• • • • • • •	• • • • • • • •	7.0	7 • 1
¢.		. 1	•0						5.7	<b>6.</b> 7
ĵ,		• 1	• 0	• 0					-6 • 3	7.2
5		• 1	•0						4.2	6.8
ř		•0	•0						3.6	6.6
Ç		•0	•0	• 0					1.7	6.3
Ē		.0	•0	•0					1.8	7 • 3
ï		• 1	•4						2.5	8 • 4
ŝ		• 5	•2	•0					7.8	9.4
•		• 7	•2	• 0					10.2	9 • 3
•		• 7	•2	• 0	•0				11.1	8.8
4		• 9	• 4	• 0	•0				10.8	10 • 1
3		• 5	• 2	• 0	•0				7 • 3	8.7
f		• 1	.0	• 0					3.0	7.8
٤,		• 1	•0	• 0					3.0	7.6
Ŀ		• 1	•0	• 0				•	3.2	7.7
• • 3		•0	•0		• • • • • • • • • • • • • • • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	•9	10.7
//	/////	///	1111111	///////////////////////////////////////	///////	////////	////////	////////	9.9	111111
7	4	• 2	1.4	. 1	•0				100.0	7.5

USAFETAC AIR WEATHER SERVICE/MAC

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE FROM HOURLY OBSER

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEILINGS 200 TO 1400 FEET WITH VISIBILTIES 1

AND/OR CEILINGS 200 FEET OR MORE WITH VISIBILTIES 1/

• • • • • • • • • • • • • • • • • •				• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • •		TN	• • • • • •
DIPECTION   (DEGREES)		4-6	7-10	11-16	17-2 <sub>1</sub>	22-27	IN KNOTS 28-33	34-4
N	1.4	1.6	2.2	1.2	.2	•0	• • • • • • • • •	• • • •
NNE	1.9	2.3	2.4	1.2	.1	 • U		")." (Wallestone on the state of the state o
ne i	1.8	2 • 7	3.1	1.8	• i	•0		# **
ENE	1.5	2 • 1	2.5	1.3	• 2	.0		esperal rayer
3	1.3	1.5	1.9	. 8	• 1	• 0		*
FSE	.7	• 6	• 6	• 2	.0	•0	• 0	
SE	• 5	• 5	• 6	. 4	• 1	•9	• 0	
SSE	.5	• 7	• 8	. 7	. 1	• 1		ı
s	1.2	1.5	2.8	2.3	• 5	• 2	•0	1
SSW	1.0	1 • 4	3.0	4.2	• 9	•2	• 0	1
. ∺2	1 • 4,	1 • 8	2.5	3.0	• 7	•2		•
₩Sы	1 • 1	1.1	1.5	2.5	• 3	•5	. 1	
₩	1.1	. 7	. 4	. 3	• 1	•.1	•0	,'
ENW	.4	• 2	• 2	• 0	• 0	•.0		1
NW	.5	• 2	• 3	• 1	• 0	• 10		,
NIV	.5	€3	• त	• 2	•0	•0		
VARIABLE	·     	.0		. 1	•0	• • • • • •	••••••	
CALM	11/1/////	/////////	21191111	11/1/11/1/	7/////////	1717111	///////////////////////////////////////	////
TOTALS	1   16,8 	19.4	25,4	20.7	3.9	1.4	• 1	;

FOTAL NUMBER OF OBSERVATIONS: 12018

						·76,79-87		ي. » بر »
EET		SIBILTIES 1/2			* * * * * * * *	• • • • • • • •		,
		IBILTIES 1/2	-					ميه
ND	SPean IN	KNOTS 8-33 34-40			GE 56	TOTAL	MEAN WIND	
•••	•0	• • • • • • • • • • • • • • • • • • • •	,	• • • • • • •	* * * * * * * *	6•6	7.3	
	•0					7.8	6,7	ē.
	• 0					9.5	7.1	
•	•0					7.7	7.2	
	•0					5.6	6.8	
	•0	•0				2.1	6.0	~
	• ວົ	•0				2 • 1	7.3	
	• 1					2.9	8.4	
	• 3	•0				9.0	9.4	-
	• 2	• 9				10.7	10.6	٠.
	• 2					9.5	9.4	
	•5	•1				7.6	10.9	
	• 1	• 0				2.6	6.2	•
	•0					• 9	5.0	,
:	•0	-				1.2	5,6	
i	•0					1.5	6.3	
•••			• • • • • •		• • • • • • •	.3	10.3	ŗ
///	11111111	1211111111111111	11111111	11/11/11	11111111	12.2	1141111	
	1.4	• 1				10040	7.3	

PPPPP	PPPPPP AAAAA		. A A A	R RRR R	RRR	TTTTTTTTT	ממסממס	ססכ
PPPPP	PPPP	AA AA	AAAA	R RRR R	RRRR	11111111	CODDOC	סססכ
PP	PP	AA	AA	RR	RR RR TT		DD	DD
PP	PP	AA	AA	RR	RR	ŢŢ	DD	DD
PPPPP	PPPP	AA	AA	R RRR R	RRRR	ΤT	DD	DD
PPPPP	PPP	AAAAA	AAAAA	R RR//R	₹Ř₩₽	ΤT	DD	DD
PР		AAAAA	AAAAA	NR	RR	7 T	DD	DD
PP		AA	AA	3 R	RR	ŢΤ	DD	DD
PP		AA	AΑ	RR	RR	тт	DDDDDD	םססכ
PΡ		AA	ΑÅ	RR	RR	TT	DDDDDD	DODG

?

### CEILING VERSUS VISIBILITY AND SKY COVER SUMM

#### CEILING VERSUS VISIBILITY SUMMARY

THIS SUMMARY IS A BIRVARIATE FREQUENCY DISTRIBUTION BY CLASSES OF TO OR GREATER THAN 20,000 FEET AND AS A SEPARATE CLASS "NO CEILIFUL CLASSES FROM ZERO THROUGH EQUAL TO OR GREATER THAN 10 MILES.

DATA DERIVED FROM HOURLY OBSERVATIONS.

FREQUENCY DISTRIBUTION PRESENTED BY THE STANDARD 3-HOUR TIME GROUND COMBINED).

#### NOTES:

BEGINNING IN 1968, METAR STATIONS REPORTED VISIBILITIES TO 6 MILES. THEREFORE THE COLUMN FOR VISIBILITIES EQUAL TO OF APPEAR BLANK.

AS A RULE, AIRWAYS STATIONS NORMALLY REPORT VISIBILITIES TO SOME STATIONS REPORT HIGHER VALUES. THEREFORE, THE 10 MILE SMALL PERCENTAGE VALUES. HOWEVER, THESE VALUES ARE OF LITTLD ISREGARDED.

FOR METAR CIVILIAN STATIONS REPORTING "CAVOK", ALL CEILINGS TO 5000 FEET. THEREFORE, NO PERCENT VALUES APPEAR ABOVE 500

#### SKY COVER SUMMARY

PRESENTS PERCENTAGES OF SKY COVER IN EITHER 10THS OF COVERAGE OR

DATA SUMMARIZED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONT

ALSO PRESENTED ARE MEAN SKY COVERS.

FOR AIRWAY STATIONS, THE CONVERSION FROM THE AIRWAYS DESIGNATIONS

CLEAR	-	0/10
SCATTERED	~	3/10
BROKEN	-	9/10
OVERCAST	-	10/10
OBSCURED	_	10/10

7

ITY AND SKY COVER SUMMARIES LITRIBUTION BY CLASSES OF CEILING FROM "O" THROUGH EQUAL VAPARATE CLASS "NO CEILING", VERSUS VISIBILITY IN 16 TER THAN 10 MILES. YIANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS EPORTED VISIBILITIES TO 6 MILES AND GREATER THAN AVISIBILITIES EQUAL TO OR GREATER THAN 10 MILES # REPORT VISIBILITIES TO 6 MILES AND 7 OR GREATER, HOWEVER 3 THEREFORE, THE 10 MILE VISIBILITY COLUMN SOMETIMES CONTAIN HESE VALUES ARE OF LITTLE MEANING AND SHOULD BE G "CAVOK", ALL CEILINGS ABOVE 5000 FEET WERE SUPPESSED VALUES APPEAR ABOVE 5000 FEET. MER 10THS OF COVERAGE OR "AIRWAYS CLASSIFICATIONS". NME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED). OTHE AIRWAYS DESIGNATIONS TO 10THS FOR PRESENTATION ARE:

. )

)

 $\langle \cdot \rangle$ 

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF FROM HOURLY OBSERVA

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

C E ] FE	LING [N   EET	6τ 160	GE 90	G € 80	GE 60	GE 48	V GE 40	ISIBILI GE 32	GE GE 24	UNDREDS GE 20
• • •			• • • • • • •	• • • • • •			• • • • • •	• • • • • •	• • • • • • •	
N C	CEIL	3.6	29.8	30.6	32.0	32.2	32.4	32.4	32.5	32.5
G E G E	20000  18000  16000  14000  12000	4.5 4.5 4.5 4.5 4.8	32.4 32.4 32.4 32.4 32.6	33.2 33.2 33.2 33.2 33.4	34 · 6 34 · 6 34 · 6 34 · 6 34 · 9	35.0 35.0 35.0 35.0 35.3	35.2 35.2 35.2 35.2 35.4	35.2 35.2 35.2 35.2 35.4	35.3 35.3 35.3 35.3 35.6	35.3 35.3 35.3 35.3 35.6
6 E 6 E 6 E	10000  9000  8000  7000  6060	5.1 5.2 5.2 5.2 5.5	33.3 34.1 36.8 37.7 38.6	34.1 34.9 37.5 38.6 39.5	35.6 36.4 39.3 40.3 41.5	36.0 36.8 40.1 41.3 42.6	36.1 36.9 40.3 41.5 42.9	36.1 36.9 40.3 41.5 42.9	36.2 37.0 40.5 41.7 43.0	36.2 37.0 40.5 41.7 43.0
6 E 6 E 6 E 6 E	5000   4500   4000   3500   3000	5.9 6.0 6.3 6.9 7.7	41.4 43.4 46.5 48.1 55.1	42.5 44.6 47.7 49.3 56.5	44.5 46.6 49.7 51.4 59.0	45.7 47.8 51.0 52.7 60.6	45.9 48.1 51.3 53.0 60.9	45.9 48.1 51.3 53.0 60.9	46.2 48.3 51.5 53.3 61.5	46.2 48.3 51.5 53.4 61.8
GE GE GE GE	2500  2000  1800  1500  1200	8.5 9.7 9.0 10.4 10.9	58.3 64.0 65.0 68.7 72.6	60.2 66.3 67.4 71.1 75.1	62.7 68.8 69.9 73.6 77.9	64.3 70.6 71.6 75.4 79.6	64.6 71.0 72.0 76.0 80.3	04 • 6 71 • 1 72 • 3 76 • 3 80 • 7	65.2 72.3 73.5 77.8 82.2	65.6 72.8 74.0 78.3 82.8
6 E 6 E 6 E 6 E	1000   900   800   700   600	11.3 11.5 11.6 11.6	74.8 75.5 76.4 77.6 77.9	77.5 78.2 79.1 80.4 81.1	80.3 81.0 82.0 83.8 85.2	82.0 82.7 83.8 85.8 87.2	82.7 83.4 84.4 86.4 88.0	83.2 83.9 85.2 87.2 88.8	85.1 85.8 87.2 89.5 91.3	85.9 86.6 88.0 90.3 92.3
6 E 6 E 6 E 6 E	400 j 3 ga j	11.6 11.6 11.6 11.6	77.9 78.0 78.0 78.0 78.0		85.4 86.0 86.0 86.0	87.5 88.1 88.3 88.3 88.3	88.3 89.1 89.2 89.5 89.5	89.2 90.0 90.1 90.4 90.4	91.7 92.5 92.8 93.1 93.2	9 2 · 8 9 3 · 6 9 4 · 1 9 4 · 4 9 4 · 7
6 E	10	11,6	78.0	81.4	86.0	88.3	89.5	90.4	93.2	94.7

TCTAL NUMBER OF OBSERVATIONS: 751

RFORE	ט עג							-76,81-8 (LST): (		۵٥	
						* * *					1
		I NI Y I									
E	GE	GE	GE	GE	GE			GE	GE	GE	
40	32	2 4	20		12	10	8	5	4	0	
• • • •		• • • • • • • •	• • • • • • •	• • • • • •		• • • • • • •	• • • • • • •	• • • • • • •	• • • • • •	• • • • • • • • • •	•
• 4	32.4	32.5	32.5	32.9	32.9	32.9	32.9	32.9	33.2	33.2	
. 2	35.2	35.3	35.3	35.7	35.7	35,7	35.7	35•7	36.0	36.0	
. 2	35.2	35.3	35.3	35.7	35.7	35.7	35.7	35.7	36.D	36.0	
• 2	35.2	35.3	35.3	35.7	35.7	35 • 7 <sup>.</sup>	35.7	35.7	36.0	36.0	
. 2	35.2	35.3	35.3	35.7	35.7	35⊚ 7	35.7	35.7	36.0	36 • G	
. 4	35.4	35.6	35.6	36.0	36.0	36.•0	36.0	36.0	36.2	36.2	
. 1	36.1	36.2	36.2	36.6	36.6	36.6	36.6	36.6	36.9	36.9	
• 9	36.9	37.0	37.0	37.4	37.4	37.4	37.4	37.4	37.7	37.7	
. 3	40.3	40.5	40.5	40.9	40.9	40.9	40.9	40.9	41.1	41.1	
. 5	41.5	41.7	41.7	42.1	42.1	4/2 • 1	42.1	42.1	42.3	42.3	
. 9	42.9	43.C	43.0	43.4	43.4	43.4	43.4	43 - 4	43.7	43.7	
. 9	45.9	46.2	46.2	46.6	46.6	46.6	46.6	46.6	46.9	46.9	
. 1	48.1	48.3	48.3	48.9	48.9	48.9	48.9	48.9	49.1	49.1	
. 3	51.3	51.5	51.5	52.1	52.1	52.1	52.1	52.1	52.3	52.3	
. ն	53.0	53.3	53.4	53.9	54.2	54.2	54 • 2	54.2	54.5	54.5	
• 9	60.9	61.5	61.3	62.3	62.6	62.6	62.6	62.6	62.8	62 • 8	
٠ ٤	64.6	65.2	65.6	66.2	66.4	66.4	66.4	66.4	66.7	66.7	
. ŭ	71.1	72.3	72.8	73.5	73.8	73.8	73.8	73.8	74.0	74.0	
. 0	72.3	73.5	74.0	74.7	75.0	7.5 • 0	75.0	75.0	75.2	75.2	
. C	76.3	77.8	78.3	79.1	79.4	79.4	79.4	79.4	79.8	79.8	
. 3	80.7	82.2	82.8	83.9	84.2	84.2	84.2	34.2	84.6	84.6	
• 7	83.2	85.1	85.9	87.1	87.4	87.4	87.4	87.4	87.7	87.7	
• 4	83.9	85.8	86.6	87.7	88.0	88.0	88.0	88.0	88.4	88.4	
• 4	85.2	87.2	88.0	89.2	89.6	89.6	89,6	89.6	90.0	90.1	
. 4	87.2	89.5	90.3	91.5	91.9	919	91.9	91.9	92.3	92•4	
• 0	8 • 8 8	91.3	92.3	93.5	93.9	93.9	934.9	93.9	94.4	94.5	
. 3	89.2	91.7	2.3	94.0	94.4	94.4	94.7	94.7	95.3	95.5	
• 1	90.0	92.5	93.6	94.3	95,2	95.2	95.5	95.5	96 41	96.3	
. 2	90.1	92.8	94.1	95.5	95.9	95.9	96.1	9.6.4	97.1	97.3	
. 5	90.4	93.1	94.4	95.7	96.3	96.3	96.5	96.9	97.9	98.1	
. 5	90.4	93.2	94.7	96.0	96.5	96.5	96.9	97.3	98.3	98.5	
. 5	90.4	93.2	94.7	96 . 0	96.5	96.5	96.9	97.6	98.5	100.0	

USAFETAC AIR WEATHER SERVICE/MAC

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF ( FROM HOURLY OBSERVAT

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEILI	NG	• • • • •	• • • • • • •	• • • • • •						UNDREDS
IN	1	GΙ	GE	GE	GE	GE	GE	GE	GE	GΕ
FEET		160	90	80	60	48			24	20
		·					· • • • • • •			
		•								
NO CE	IL	3.2	29.8	29.9	30.6	30.8	31.0	31.0	31.6	31.9
GE 20		4.5	32.9	33.1	34.1	34 • 4	34.5	34.5	35.3	35.6
GE 18		4.5	32.9	33.1	34.1	34.4	34.5	34.5	35.3	35.6
GE 16	-	4.5	32.9	33.1	34.1	34.4	34.5	34.5	35.3	35.6
6E 14		4.6	33.1	33.2	34.3	34.5	34 • 7	34.7	35.4	35 • 7
GE 12	0 0 <sub>0</sub> (	5. ຕ	33.6	33.7	34 • 8	35.1	35 • 2	35.2	36.0	36 • 2
		_								
	0001	5.3	35.1	35.2	36 • 2	36.5	36.6	36.6	37.4	37.7
	0001	5.3	35 • 1	35.2	36 • 2	36.5	36.6	36.6	37.4	37.7
	0001	5.3	37.3	37.6	38.6	38.9	39.0	39.0	39.8	40.1
	ดบอ	5.3	37.7	38.1	39 • 2	39.8	39.9	39.9	40.7	41.0
GE 6	0001	5.3	38.1	38.5	39.7	40.3	40.5	40.6	41.5	41.8
	nooļ	6.0	41.3	41.8	43.1	44.G	44.2	44.3	45.2	45.5
	5001	6.3	42.5	43.0	44 • 4	45.4	45.5	45.6	46.6	46.8
	000 [	6.9	45.2	46.2	47.8	49.1	49.2	49.3	50.3	50.5
	500	7.4	48.7	49.7	51.6	53.0	53.2	53.4	54.4	54.6
GE 3	0 00 1	7.5	53.3	54.4	57.1	58.7	58.9	59.3	60.6	60.8
	500	7.9	56.9	57.9	60 • 7	62.3	62.4	62.8	64.3	64.7
	000	9.1	63.4	65.1	68.4	70.1	70.2	7.0 • 6	72.6	73.0
	Bccl	9.4	64: · 3	66.0	69.7	71.4	71.6	72.2	74.2	74.•6
	500	10.1	68.3	70.0	73.7	75.5	75.7	76.3	78.3	78.7
GE 1	1005	10.6	71.0	73.0	77.0	79.0	79.1	79.9	82.0	82.4
					,,	_			0.6	
	1003	11.1	73.5	75.7	79.8	81.9	82.0	82.8	84.9	85.3
	9001	11.1	74.3	76.5	80.6	82.8	82.9	83.7	86.0	86 + 4
•	1008	11.2	75.3	77.4	81.5	84.0	84.1	85.1	87.3	87.7
	700	11.2	76.6	78.7	83.2	86.0	86.1	87.2	89.7	90.2
GE	6001	11.4	76.7	79.0	33.5	86.2	86.4	87.7	90.5	91.0
	2.							<b>-</b>	<b>04</b> 1:	
		11.4	76 • 9	79.1	84.0	86.9	87.2	88.5	91.4	91.9
		11.4		79.8	84.8	88.1	88.4	90.2	93.4	93.9
	-	11.4	77.4	79.8	84.8	88.4	88 • 6	90.5		94.3
		11.4	77 • 4	79.8	84 • 8	88.4			93.8	94.4
GE	1001	11.4	77.4	79.8	84 • 8	88.4	88.6	90.5	93.8	94.4
	1				es. 4	, ,	00.4	0 - "	07 0	0.6
GΕ		11.4		79.8	84.8	88.4		90.5		94.4
			,							

TCTAL NUMBER OF OBSERVATIONS: 756

# QUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

ÜR	SD NK						ORD: 75				
						: JAN		(LST):		•-	
•	VISIBIL		HUNDREDS				• • • • • • •	• • • • • • •	• • • • • •	• • • • • • • • • •	.)
	GE	GE	GE	GE	GΕ	GE	GE	GE	GΕ	GE	
0		24	20		12	10	8	5	<b>4</b>	0	Ì
								• • • • • • •			J.
										• • • • • • • • • • • • • • • • • • • •	
ũ	31.0	31.6	31.9	32.0	32.3	32.3	32.4	32.5	32.9	33.1	2
5	34.5	35.3	35.6	35.7	36.0	36.0	36 • 1	36.2	36.6	36.8	
5	34.5	35.3	35.6	35.7	36.0	36 . n	36 • 1	36 • 2	36.6	36.8	Hyp. High
5	34.5	35.3	35.6	35.7	36.0	36.0	36.1	36.2	36,6	36.8	***
7	34.7	35.4	35.7	35.8	36.1	36. • 1	36.2	36.4	36.8	36.9	
2	35.2	36.0	36.2	36 • 4	36.6	36.6	36.8	36.9	37.3	37.4	3
6	36.6	37 • 4	37.7	37.8	38.1	38.1	38.2	38.4	38.8	38.9	
6	36.6	37.4	37.7	37.8	38.1	38.1	38.2	38,4	38.8	38.9	0
0	39.0	39.8	40.1	40.2	40.5	40.5	40.6	40.7	41.1	41.3	****
9	39.9	43.7	41.0	41.3	41.5	41.5	41.7	41.8	42.2	42.3	
5	40.6	41.5	41.8	42.1	42.3	42.3	42.5	42.6	43.0	43.1	j
2	44.3	45.2	45.5	45.8	46.0	46.0	46.2	46.3	46•7	46.8	
5	45.6	46.6	46.8	47.2	47.5	47.5	47.6	47.8	48.1	48.3	)
2	49.3	50.3	50.5	50.9	51.2	51.2	51.3	51.5	51.9	52.0	•••
ž	53.4	54.4	54.6	55.0	55.3	55.3	55.4	55.6	56 • B	56.1	
229	59.3	60.6	60.8	61.2	61.5	61.5	61.6	61.8	62.2	62.3	)
4	62.8	64.3	64.7	65.1	65.3	65.3	65 • .5	65.6	66 <b>.</b> 0	66.1	
2	70.6	72.6	73.0	73.7	73.9	73.9	74.1	74.2	74.6	74.7	)
6	72.2	74.2	74.6	75.3	75.5	75.5	75.7	75.8	76.2	76.3	***
7	76.3	78.3	78.7	79.5	79.8	79 • 8	79.9	80.0	80.4	80.6	
1	79.9	82.0	82.4	83.3	83.6	83.6	83.7	83.9	84.3	84 • 4	$\epsilon$
O	82.8	84.9	85.3	86.2	87-0	87.0	87.2	87.3	87.7	878	
9	83.7	86.0		87.3	88.1	88.1	88.2	88.4	88.8	88.9	)
1	85.i	87.3	87.7	88.6	89.4	89.4	89.6	89.8	90.2	90.3	.)
1	87.2	89.7		91.1	91.9	91.9	92.1	92.3	92.7	92.9	
4	87.7	90.5	91.0	91.9	92.7	92.7	92.9	93.1	93.5	93.7	$\mathcal{C}$
2	88.5	91.4	91.9	92.9	93.8	93.8	94.0	94.3	94.7	94.8	
4	90.2	93.4	93.9	95.C	95.9	95.9	96.2	96.4	96.8	97.0	$\odot$
6	90.5	93.7	94.3	95.4	96.3	96.3	96.6	97.1	97.5	97.9	_'
Ė	90.5	93.8	94.4	95.5	96.4	96.4	96.7	97.Ž	97.9	98.5	
٤	90.5	93.8	94,4	95.5	96.4	96 • 4	96.7	97.5	98.3	98.9	$\bigcirc$
6	90.5	93,8	94.4	95.5	96.4	96.4	96.7		98.3		
<b>0</b> 13	• • • • • • •		• • • • • • •		• • • • • • •	• •,• • • • •	e e-e ĝis e e i	• • (• • • • •	• • • • • •	• • • • • • • • • •	(*)

AIR WEATHER SERVICE/MAC

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEILIN				• • • • • •					TY IN H	
1V	1	GT	GE	GE	c F	GE				GE
FEET			90	80	60				24	
			70							
* * * * * * *	• • • •	• • • • •		• • • • • •	• • • • • • • •			• • • • • •	• • • • • • •	••••
			~~ -				<b>7</b> 0 <b>7</b>	~~ /	~~ C	2.0
NC CEI	L	2.2	27.0	27.2	27.9	28.3	28.5	28.6	29.0	29.
GE 200		3.7	29.7	29.9	30∙6	31.2	31.3	31.4	31.8	31.
GE 180		3.7	29.7	29.9	30.6	31.2	31.3	31.4	31.8	31.
GE 160	1001	3.7	29.8	30.1	30.7	31.3	31.4	31.5	31.9	31.
GE 140	1001	3.7	30.1	30.3	30.9	31.5	31.7	31.8	32.1	32.
GE 120	00	4.5	30.9	31.2	31.8	32.4	32.5	32.6	33.0	33.1
GE 100	l cor	4.7	32.3	32.8	33.5	34.1	34 • 2	34.4	34.7	34.
	00	4.8	33.0	33.5	34.2	34.8	35.0	35.1	35.5	35.
	001	4.8	36.1	36.6	37.3	37.9	38.0	38.2	38 • 7	38.
	יספו	4.8	36.3	36.8	37.5	38.2	38.3	38.5	39.0	39.1
				36.3	39.0	39.8	39.9	40.2	40.7	40.
GE 60	1 00	5.0	37.8	20.3	39.0	37.0	37.7	40.4	40.1	40.
			70 /			40.0	40.1	"O. F	11 7 3·	1. T .
	001	5.3	39.6	45.1	41.1	42.0	42.1	42.5	43.4	43.1
	00	6.0	41.8	42.7	44.2	45.0	45.2	45 • 5	46.6	46 • €
	00	6.4	45.5	47.0	48.6	49,4	49.6	50.1	51.5	51.5
GE 35	100	7.1	47.9	49.3	51.0	52.0	52.1	52.8	54.2	54.7
GE 30	1001	8.C	54.4	55.8	58.0	59.0	59.1	59.8	61.2	61.7
			•							
GE 25	001	8.5	57.1	58.7	61.1	62.7	62.8	63.4	65.0	65.1
	1001	8.8	60.1	62.5	65 • 4	67.4	67.5	68.5	70.2	70.2
	00	9.2	62.1	64.5	67.5	69.4	69.6	70.6	72.3	72.3
	00	9.3	65.0	67.5	70.8	72.8	72.9	740	76.0	76.8
•	2001	9.7	68.8	78.4	73.9	76.0	76.3	77 • 4	79 6	79.5
01. 12	. 00 ;	7 . /	00.0	18.4	13.7	70.0	10.3	1103	,, ,	. , , ,
or 1-		10.1	70 (	77.0	77 0	70 7	70 1	2	00 6	22 -
	000		70.6	73.0	76 • 4	78.7	79.1	80 . 2	82.5	82.7
		10.2	71 4 4	73.9	77.4	79.8	86.2	81.5	83.7	83.5
	1 00		72.0	74.5	78.4	86.7	81.2	82.7	84.9	85.2
GE 7	7 00 [	10.6	72.9	75.3	79•9	82.5	82.9	84.7	86.9	87.€
GE 6	001	10.7	73.4	75.8	80.6	83.3	83.8	85.6	88.0	88.7
GE S	100	10.7	73.6	76.3	81.3	84.0	84.5	86.4	89.0	89.7
			73.6	76.4		84.2			89.3	90.1
	3001		73.7			84.3			89.9	
			73.7		81.6	84.3	84.0		90.4	
			73.7			34.3			90.4	91.3
U	וניטי	10.1	13 + 1	70.0	04 0	07.0	<b>∪</b> 4 /	0,11	, , , ,	7
cc	C I	10 7	77 7	76 6	01 4	011 7	Site O	97 1	00 /1	91.3
			73.7							
	• • • •	• • • • • •		* 10 * * * *	• • • • • • • •	• • • • • • •	• • • • • • •	• • • • • •	• • • • • • • • • •	

TOTAL NUMBER OF OBSERVATIONS: 815

OF OCCURRENCE OF CEILING VERSUS VISIBILITY OM HOURLY OBSERVATIONS

				MONTH	NAL:	RD: 75- HoURS	LST 1: C	1600-08		
									• • • • • • • • • •	
IL		HUNDREDS								
	GE	GE	GE		GE		GE	GE	GE	
12	24	50	16	12	10	8	5	4	0	
	• • • • • •		• • • • • • •	• • • • • •	• • • • • •	• • • • • •	• • • • • •	• • • • •	• • • • • • • • •	
.6	29.0	29.0	29.1	29.1	29.1	29.6	29.7	29.9	30.2	
. 4	31.8	31.8	31.9	31.9	31.9	32.4	32.5	32.8	33.0	
.4	31.8	31.8	31.9	31.9	31.9	32.4	32.5	32.8	33.0	
.5	31.9	31.9	32.0	32.0	32.0	32.5	32.6	32.9	33.1	
.8		32.1	32.3	32.3	32.3	32.8	32.9	33.1	33.4	
•6	32·1 33·0	33.0	33.1	33.1	33.1	33.6	33.7	34.0	34.2	
• 0	22.0	22.0	22 • 1	27.1	22 + 1	22.0	23.1	3400	3112	
. 4	34.7	34.7	34.8	34.8	34.8	35.3	35.5	35.7	36.0	
. 1	35.5	35.5	35.6	35.6	35.6	36.1	36.2	36.4	36.7	
.2	38 • 7	38.7	38 • 9	38.9	38.9	39.4	39.5	39.8	40.0	
•2	39.0	39.0	39.3	39.3	39.3	39.8	39.9	40.2	40.5	
•2	40.7	40.7	41.0	41.0	41.0	41.5	41.6	42.0	42.2	
. 5	43.4	43.4	43.7	43.7	43.8	44.3	44.4	44.8	45.0	
•5	46.6	46.6	47.0	47.0	47.1	47.6	47.7	48.1	48.3	
•1	51.5	51.5	51.9	52.0	52.1	52.6	52.8	53.3	53.5	
.8	54.2	54.2	54.6	54.7	54.8	55 • 3	55.5	56.0	56.2	
.8	61.2	61.2	61.6	61.7	61.8	62.3	62.5	62.9	63.2	
• 0	01+2	01.2	01.0	0111	01.0	02.5	04.5	G Z • 7	63.42	
.4	65.0	65.0	65.4	65.5	65.6	66.1	66.3	66.7	67.0	
• 5	70.2	70.2	70.7	70.8	70.9	71.5	71.8	72.4	72.6	
. 6	72.3	72.3	72.8	72.9	73.0	73.6	73.9	74.5	74.7	
•0	76.0	76.0	76.7	76.8	76.9	77.5	77.8	78.4	78.•7	
' . 4	79.6	79.9	80.7	88.9	81.0	81.7	82.0	82.6	82.8	
	90 6	027	83.7	83.8	84.0	84.9	85.2	85.8	86.0	
1.2	82.5	82.7	84.9	85.D	85.4	86.3	86.5		,	
	83.7	83.9				87.5	87.7	88.3	88.6	
· · 7	84.9	85.2	86.1	86.3	86.6					
1.7	86.9	97.6	88.7	8.88	89.2	90.1	90.3	90.9	91.2	
3 - 6	88.0	88.7	89 • 8	89 • 9	90.4	91.3	91.7	92.3	92.5	
s • 4	89.G	89.7	91.0	91.2	91.8	92.9	93.3	94.0	94.4	
5.5	89.3	90.1	91.5	91.7	92.3	93.5	94.C	94.7	95.2	
6.9	89.9	90.7	92.5	92.8	93.4	94.7	95.6	96.4	96.9	
7.1	90.4	91.3	93.3	93.5	94.2	95.8	96.7	97.5	98.2	
7 • 1	90.4	91.3	93.3	93.5	94.2	95.8	96.9	98.2	98.9	
7.1	90.4	91.3	93.3	9.3.5	94.2	95 • 8	97.1	98.3	100.0	
	<u>.</u>									

()

Į

USAFETAC AIR WEATHER SERVICE/MAC

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF FROM HOURLY OBSERV

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEI	LING	• • • • •	• • • • • • •					ISIBILI		
3	EN I	GT	GE	GE	-GE	GE	GE	GE	GE	GE
FE	ET		90						24	20
• • •	. ••• •}•• • •	• • • • •	• • • • • • •	• • • • • •				• • • • • •	• • • • • •	••••
N C	CEIL I	1.4	23.5	23.8	24.4	25.3	25.3	25.7	25.9	25.9
	200001	3.3	29.2	29.6	30.3	31.5	31.5	*· 2 • D	32.3	32.3
	18000	3.3	29.6	30.1	30.9	32.1	32.1		32:• 9	32.9
GE	160001	3.3	29.6	30.1	30.9	32.1	32.	ô	32.9	32.9
	14000	3.5	30 • 1	30.6	31.4	32.6	32,	2.1	33,3	33.3
GE	12000	4 • 4	31.8	32.43	33.1	34.3	34.5	34.8	35.0	35.0
GE	100001	4.9	34 • 3	34 • 8	35.7	37.0	37.0	37.5	37.8	37.8
ΘE	90001	4.9	35.4	35.8	36.8	38 • 1	38.1	38.6	38.9	38.9
GE	8000	5.0	37.3	37.8	38.8	40.5	40.6	41.1	41.5	41.5
GE	7000	5.0	37.9	38.5	39.5	41.3	41.5	42.1	42.5	42.7
GE	60001	5.℃	38.4	39.1	40.1	41.9	42.2	42.8	43.2	43.4
Gξ	50001	5.1	40.4	41.1	42 • 4	44.6	44.9	45.5	46.0	46.1
G E	45 00 1	5.4	41.9	42.8	44.1	46.4	46.7	47.4	48.1	48.3
GΕ	4000	6.1	46.D	46.8	48.3	50.5	51.0	51.7	52.4	52.6
GE	3500	7.2	48.6	49.6	51.0	53.4	54.0	54.8	55.6	55.7
GΕ	30001	8.4	54 • 6	55.7	57.6	60.1	60.7	61.6	62.7	62.8
GE	25001	9.0	56.5	57.6	59.7	62.4	63.0	64.2	65.4	65.6
GE	2000	9.8	61.2	62.6	65.6	68.2	68.9	70.1	71.3	71.6
GΕ	1800	10.2	62.5	64.2	67.1	69.8	76.5	71.7	73.0	73.2
GE	1500 l	10.5	64.9	66.5	7C • 1	72.9	73, 6	75.3	76.6	76.8
GE	1200	11.1	66.8	68.7	73 • 2	76.2	76. 9	78.6	80.2	80.4
GE	10001	11.5	68.6	70.6	75.4	78.7	79 <sub>ii</sub> 5	81 4	83.0	83.3
GE	9001	11.5	68.8	71.0	75.9	79.2	79,9	81.8	83.6	84.0
GΕ	F 00 1	11.5	69.5	71.7	77.1	80.5	81.2	83.6	85.4	85.8
GΞ	700 j	11.5	70.4	72.6	78.4	82.3	83.0	85.4	87.2	87.7
GE	6001	11.5	70.5	72.8	78.5	82.6	83.4	86.1	88.2	88.6
G E	5601	11.6	70.6	72.9	78.6	83.2	84.0	86.7	89.0	89.5
GE	4001	11.6	70.6	72.9	78.6	83.3	84.1	86.9	89.1	89.6
GE	300 l	11.6	70.6	72.9		83.3	841	86.9	89.2	89.8
GE	-	11.6			78 • 7			87.0		90.1
6 E		11.6	70.6	72.9		83.4		87.0	89.4	90.1
GE	υl	11,6	70.6	72.9	78.7	83.4	84.2	87.0	89.4	90.1
		-								

TGTAL NUMBER OF OBSERVATIONS: 837

					OF REC				20	( <u>,</u> )
	• • • • • •				, AV					ر, `
HL	ITY IN	HUNDREDS	OF ME	TERS						
	GE	GE	GE	GE	GE	GE	GE	GE	GE	
32	24	20	16	12	10	8	5	4	0	٤
	• • • • • •		• • • • •	• • • • • •	• • • • • •	• • • • • • •	• • • • • •	• • • • • •	• • • • • • • •	••
.7	25.9	25.9	26 • 3	26.4	26.6	26.6	26.8	26.8	27.1	***
• •	2347	23.7	26 • 3	20 • 4	20.0	20.0	20.0	20.0	21.1	)
•0	32.3	32.3	32.7	33.0	33.2	33.2	33.5	33.7	34.1	
.6	32.9	32.9	33.6	33.8	34.1	34.1	34.3	34,5	34.9	3
•6	32.9	32.9	33.6	33.8	34.1	34.1	34.3	34.5		-
. 1	33.3	33.3	34.1	34.3		34.5		35.0		
.8	35.Ö	35.0	35.7	36.D	36 • 2	36.2	36.4	36.7	37.0	)
_										•
.5	37.8	37.8	38.5	38.7	38.9	38.9	39.2	39.4	39 • 8	
.6	38.9	38.9	39.9	40.1	40.4	40.5	40.7	41.0	41.3	()
• 1	41.5	41.5	42.4	42.7	43.0	43.1	43.4	43.6	44.0	
• 1	42.5	42.7	43.7	44.0	44.3	44.4	44.7	44.9	45.3	
.8.	43.2	43.4	44.4	44.7	45.0	45.2	45.4	45.6	46.0	)
•5	46.0	46.1	47.6	47.8	48.1	48.3	48.5	48.7	40.1	
		48.3	49.8						49.1	
• 4	48.1			50.1	50.4	50.5	50.8	51.0	51.4	• )
• 7	52.4	52.6	54 • 2	54.5	54.8	55.0	55.2	55.4		
.8	55.6	55.7	57.3	57.6	57.9	58.1	58.4	58.7		
•6	62.7	62.8	64.5	64.8	65.1	65.2	65.6	65.8	66•2	• (
• 2	65.4	65.6	67.4	67.6	68.D	68.2	68.6	68.8	69.2	
1.1	71.3	71.6	73.4	73.6	74.0	74.2	74.7	74.9	75.3	()
.7	73.0	73.2	75.0	75.3	75 • 6	75.9	76.3	76.6	76.9	./
. 3	76.6	76.8	78.7	79.0	79.3	79.6	80.2	80.4	80.8	
6	80.2	80.4	82.6	82.8	83.3	83.5	84.1	84.3	84.7	)
				0.5.0				0.00	0 / <b>.</b> /	,
. 4	83.0		85.7	86.3	86.7	87.1		87.9		
1.8	83.6	84.0	86.4	87.0	87.5	87.8	88.4	88.6	89.0	)
1.6	85.4	85.8	88.2	88.8	89.2	89.6	90.2	90.4	90.8	
5.4	87.2	87.7	90.3	91.0	91.6	92.0		92.8	93.2	
5 • 1	88.2	88.6	91.4	92.1	92.8	93.2	94.0	94.5		′ }
. 7	00 6	50 m	02.2	07.0	מי לח	0" 0	01: 0	05.5	05 0	
3 • 7 5 • 9	89.0	89.5	92.2	9.3 • 0	93.7	94.0	94.9	95.5	95.9	*~
	89.1	89.6	92.5	93.2	,	94.3	95.1	96.2	96.7	1)
5.9	89.2	89.8	93.1	93.8	94.5	95.0	96.2	97.5		
7 · C	89.4	90.1	93.5	94.3	95.0	95.6	96.9	98.3	•	
7.0	89.4	90.1	93.5	94.3	95.0	95.6	96.9	98.4	99.8	()
7.0	89.4	90.1	93.5	94.3	95 • 0	95.6	96.9	98.4	100.0	
									-	•• ()

 $\bigcirc$ 

0

AIR WEATHER SERVICE/MAC

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE O FROM HOURLY OBSER

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEILING	• • • • • •			• • • • • • • •			VISIBILI		
IN	ឡា	GF	GE	GE	GF		GE	GE	GE
FEET					48		32		
		• • • • • • • •					, • • • • • •		
NC CEIL	1.2	21.9	22.5	23.4	23.5	23.5	24.1	24.3	24.3
GE 200001	2.4	27.2	28.1	29.1	29.4	29.4	30.0	30.2	30.2
GE 18000	2.4	27.8	28.7	29.7	30.0	30.0	30,6	30.8	30.5
GE 16000	2.4	27.8	28.7	29.7	30.0	30.0	30.6	30.8	30.5
GE 14000	2.6	28.1	28.9	30.0	30.2	36∙2	30.8	31.1	31.2
GE 12000	3.1	29.4	30.2	31.3	31.5	31.5	32.1	32.4	32∙₹
GE 10000	3.6	32.3	33.1	34.2	34.4	34.4	35.0	35.3	35.4
GE 9800	3.6	33.1	34.1	35 - 4	35.6	35.6	36.3	36.6	36.
GE 8000	3.€	75.4	36.3	38 <b>.</b> 0	38.5	38•5	39.2	39.6	39.
GE 7000	3.7	36.5	37.4	39 % 1	39.6	39.6	40.3	40.6	40 👀
6E 6000	4.1	36.8	37.8	39.4	39.9	39.9	40.6	41.0	41.
GE SOOO!	4 • 6	38 • 8	39.8	41.8	42.7	42.7	43.6	44.0	44.
GE 45001	5.0	41.2	42.2	44.4	45.3	45.3	46.4	46.8	47.
GE 40001	5.8	45.8	46.8	49.2	50.5	50.5	51.7	52.0	52.
GC 35001	7.1	48.1	49.0	51.8	53.4	53.4	54.6	54.9	55.
GE 3000	8.2	55.3	56.4	59.5	61.0	61.0	62.2	63.1	63.
GE 25001	9 • 1	57.8	59.1	62.9	64.6	64.6	66.3	67.4	67.
GE 2000	9.8	61.8	63.3	68.U	69.8	69 • 8	71.6	72.8	73.
GE 18001	1p.1	62.5	64.C	68.7	70.5	7U.5	72.3	73.6	74.
GE 1500	11.0	66.5	68.7	74.6	76.4	76.4	78.2	79.5	80.
GE 12001	11.8	69.2	71.8	79 • 1	81.1	81.1	83.3	84.7	85.
GE 1000	12.1	70.7	73.4	81.4	83.9	83.9	86.5	87.8	88.
6E 9001		70.9	73.5	82.1	84.7	84.7	87.2	88.5	89•
[008 30	12.1	71.3	74.C	83.t	86.2	86.2	89.1	90.4	9.0 •
GE 700	12.1	71.8	74.5	84.2	86.9	86.9	89.8	91.1	91.
GE 6001	12.1	71.8	74.5	84.3	87.1	87.1	9B.Q	91.4	91.
6E 560	12.1	71.9	74.6	84.7	87.8	87.8	90.9	92.3	92.
GE 4001		72.1	74.7	84.9	88.0	88.0	91.1	92.6	93•
GE 300	12.1	72:1	74.7	84.9	88.L	88.0	91.1	92.7	93.
GE 2001	12.1	72.1	74.7	84.9	0.88	88 • C	91.1	92.7	93.
GE 1631	12.1	72.1	74.7	84.9	9.38	88.0	91.1	92.7	93.
68 01	12.1	72.1	74.7	84.9	88.0	88 •∕0	91.1	92.7	934

TOTAL NUMBER OF OBSERVATIONS: 834

		UNDREDS				• • • • • •		• • • • • •	• • • • • • • • • •	
GE	GE			GE	GE	ĜE	GΕ	GE	GE	
		20		12	10	8	5	4	ο	
• • •	• • • • • • •		• • • • • •			• • • • • •		•••••	• • • • • • • • • •	
. 1	24.3	24.3	24.9	24.9	24.9	24.9	25.1	-25.3	25.3	
۵.	30.2	30,2	30.8	30.8	30.8	30.8	30.9	31.2		
.6	30.8	30.9	31.7	31.7	31.7	31.7	31.8	32.0	32.0	
1.6	30.8	30.9	31.7	31.7	31.7	31.7	31.8	32 <sub>.•0</sub>	32.0	
8.	31.1	31.2	31.9	31.9	31.9	31.9	32.0	32.3	32.3	
.1	3 <sub>2•4</sub>	32.5	33.3	33.3	33.3	33.3	33.5	33.7	33.7	
.0	35.3	35.4	36.2	36.2	36.2	36 • 2	36.3	36.6	36.6	
• 3	36.6	36.7	37-•6	37.6	37.6	37.6	37.8	38.0	38 • O	
.2	39.6	39.7	40.8	4 n • 8	40.8	40 • 8	40.9	41.1	41.1	
3 • 3	40.6	40.8	41.8	41.8	41.8	41.8	42.0	42.2	42.2	
.6	41.0	41.1	42.2	42 • 2	42.2	42.2	42.3	42.6	42.6	
• 6	44.0	44.2	45.3	45.3	45.3	45.3	45.4	45 • 7	45.7	
• 4	46.8	47.0	48.1	48.1	48.1	48.1	48.2	48.4	48.4	
• 7	52.0	52.3	53.5	53.5	53.5	53.5	53.6	53.8	53.8	
• 6	54.9	55.2	56.4	56.4	56.4	56.+4	56.5	56.7	56.7	
2 • 2	63.1	63.3	64.5	64.5	64.5	64.• 5	64.6	64-9	64.9	
. 3	67.4	67.6	68.8	68.8	68.8	68.8	-68.9	69.2	69.2	
• 6	72.8	73.0	74.2	74.3	74.3	74.3	74.5	74.7	74.7	
• 3	73.6	74.0	75.2	75.3	75.3	75.3	75.4	75.7	75.7	
.2	79.5	80.0	81.3	81.4	81.4	81.4	81-5	81.8	81.8	
. 3	84.7	85.1	86.8	87.1	87.1	87.1	87.2	87.4		
• 5	87-8	88.2	90.2	90.8	90.8	90.8	90.9	91.1	91.1	
. 2	88.5	89.0	90.9	91.5	91.5	91.5	91.6	91.8	91.8	
• 1	90.4	90.9	92.8	93.4	93.4	93.4	93.6	93.9	93.9	
8.6	91.1	91.6	93.5	94.1	94.1	94.1	94.4	94.6	94.6	
.0	91 • 4	91.8	94.0	94.6	94-•6	94.6	95.0	95.2	95.2	
. 9	92.3	92.8	95.1	95.8	95.8	95.8	96.3	96.5	96.5	
. 1	92.6	93.0	95.4	96.3	96.4	96.5	97.2	97.7	97•7	
.1	92.7	93.2	95.6	96.4	96.6	96•8	97.7	98.2	98•7	
1.1	92.7	93.2	95.6	96.5	97.D	97.2	98.2	98.8	99•6	
• 1	92.7	93.2	95.6	96.5	97.0	97.2	98.2	98.8	99•6	
.1	92.7	93.2	95.6	96.5	97.0	97.2	98 2	98.8	100.0	

SLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF USAFETAC AIR WEATHER SERVICE/MAC

FROM HOURLY OBSERV

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

	LING	• • • • •	• • • • • • •		• • • • • • • • •	• • • • • •		ISIBILI	TY IN	HUNDRED
		GT	GE	GE	GE	GE	GE	GE		GE
FE			90	80	60	48	40			20
	· · · · · · · · · · · · · · · · · · ·									
		• • • • •	•••••							
ис	CEIL	2.8	26.2	26.6	27.5	28.2	28.2	28 • 8	28 • 9	28.9
		2.14		2010	2.70	20.2	2012	20.0	- •	
6.5	200001	5 • O	32.6	33.3	34.1	35.0	35.G	35.7	35.8	35.8
	180001	5.0	32.9	33.7	34.6	35.5	35.5	36.2	36.3	36.3
	16000	5.0	32.9	33.7	34 • 6	35.5	35.5	36.2	36.3	36.3
	14500	5.0	33.2	33.9	34.9	35.7	35 • 7	36.6	36.7	36.7
	12000	5.2	34.0	34.9	35.8	36.7	36.7	37.7	37.8	37 • 8
0 6	120001	3 • 2	34.0	34.7	33 • 0	30 • 1	3011	37.	31.0	21.0
GE	100001	5.6	37.1	37.9	39.0	39.9	39.9	40.9	41.1	41.1
GE	9000	5.7	38.4	39.2	40.5	41.3	41.3	42.4	42.5	42.5
GE	8000	5.7	41.1	42.0	43.3	44.1	44.1	45.3	45.6	45.9
GΕ	70001	5.7	41.7	42.6	44.0	44.8	44.8	46.1	46.3	46.7
GE	6000	5.7	42.0	43.0	44.5	45.3	45.3	46.5	46.8	47.1
O L	00001	3 • 1	7210	73.0	11.5	4313	13.3	40.5	1000	, , , , ,
GE	50001	6.1	44.2	45.4	47.3	48.2	48.2	49.6	49.9	50.3
GE	45 DC	6.4	46.4	47.9	49.9	51.0	51.0	52.5	52.9	53.2
GE	4000	7.4	50.8	52.2	54 • 6	55.7	55.7	57.1	57.6	58.0
	3500	8.7	53.7	55.3	58.0	59.1	59.1	60.6	61.1	61.5
33	30001	9.6	59.7	61.6	64.5	65.6	65.6	67.6	58.2	68.5
GE	2001	9.0	37.1	01.0	04.5	03.0	03.0	00	,0 • 2	0000
6 E	25001	10.1	62.0	63.9	67.2	68.5	68.5	70.6	71.3	71.8
GE		10.4	64.6	67.0	70.6	72.1	72.2	74 • 4	75.3	75.8
űE		11.1	66.1	68.8	72.4	74.1	74.2	76.5	77.5	78.0
6 E		11.5	70.5	73.5	78.5	80.4	80.6	82.9	84.1	84.6
6 E	•		72.4	75.5	80.7	82.9	83.0	85.7	87.0	87.6
G E	12 00 1	12.0	12.4	13.3	00+1	(20)	03.0	63.1	0110	0,10
G E	1000]	12.6	73.6	76.8	82.5	84.8	84.9	87.6	89.2	89.8
GE		12.0	73.9	77.0	82.9	85.2	85.3	88.0	89.6	90.2
GE	8001	12.0	74.7	78.0	84.2	86.5	86.6	89.3	91.0	91.6
GE		12.0	75.1	78.4	84.9	87.6	87.7	90.4	92.2	93.0
65	700 l 600 l		75 · 1	78.9	85.7	88.7	88.8	91.7	93.6	94.5
to G	614.01	12.0	15.6	10.7	00 • 1	00 • 1	00.0	71 • 1	73.0	74.5
GE	5 00	12.0	75.6	79.0	86.0	89.1	89.2	92.1	93.9	94.9
GE	4601	12.C	75.6	79.0	86 • Ü	89.1	89.2	92.1	94.0	95.0
GE			75.6	79.0	86 • 0	89.1	89.3	92.2	94.2	95.1
	300   2001	12.0		79.0	86.0	89.1	89.3	92.2	94.2	9.5 • 1
GE		12.0	75 • 6	79.0			89.3	92.2	94.2	95.1
G E	100	12.0	75.6	17.0	86 • 0	89.1	03.0	76 06	7416	,,,,,
G E	er f	12.0	75.6	79.0	86.0	89.1	89.3	92.2	94.2	95.1
UL	uΙ	12.0	12.0	17.0	00 • U	07 • 1	07.3	76.6	7704	7041
• •	• • • • • • •						• • • • • •			

• • •	• • • • • • •			MONTH			(LST):		
		HUNDREDS			~ =		_		
GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
32	24	20	16	12	10	8	5	4	0
3.89	28 • 9	28.9	29.2	29.3	29.4	29.4	29.4	29.4	29.4
5.7	35.8	35.8	36.2	36.3	36.5	36.5	36.5	36.5	36.5
6.2	36.3	36.3	36.7	36.8	36,9	36.9	36 • 9	36 • 9	36,9
6.2	36.3	36.3	36.7	36.8	36.9	36.9	36.9	36,9	36.9
6.6	36 • 7	36.7	37.1	37.2	37.3	37 • 3:	37.3	37.3	37.3
7.7	37.8	37 • 8	38 • 2	38.3	38.4	38.4	38.4	38.4	38.4
C.9	41.1	41.1	41.4	31.6	41.7	41.7	41.7	41.7	41.7
2.4	42.5	42.5	42.9	43.0	43.1	43.1	43 1	43.1	43.1
5.3	45.6	45.9	46.3	46.4	46.5	46.5	46.7	46.7	46.7
6.1	46.3	46.7	47.0	47.1	47.3	47.3	474	47.4	47.4
6.5		47.1	47.5	47.6	47 • 8	47.8	47.9	47.9	47.9
9.6	49.9	50.3	50.9	51.2	51.3	51.3	51.4	51.4	51.4
2.5	52.9	53.2	53.8	54.1	54.2	54.2	54.3	54.3	54.3
7.1	57.6	58.0	58.6	58.8	58.9	58.9	59.1	59.1	59.1
0.6	61.1	61.5	62 • 1	62.3	62.5	62.5	62.6	62.6	62.6
7.6		68.5	69.1	69.4	69.5	69.5	69•6	69.6	69.6
J.6	71.3	71.8	72.4	72.7	72.8	72.8	72.9	72.9	72.9
4.4	75.3	75.8	76.4	76.7	76.8	76.8	76.9	76.9	
6.5	·5	78.0	78 • 6	78.9	79.8	79.0	79.1	79.1	79.1
2.9	'ļ	84.6	85.2	85.4	85.5	85 • 5	85.7	85.7	85.7
5.7	Ć	87.6	88.3	88.8	88.9	88.9	89.1	89.1	89.1
7.6	89.2	89.8	90.5	91.0	91.1	924	91.5	91.5	91.5
8.0	89.6	90.2	90.9	91.4	91.5	91.7	91.9	91.9	91.9
9.3	91.0	91.6	92.3	92.8	93.0	93.2	93.3	93.3	93.3
0.4	92.2	93.0	93.8	94.3	94.4	94.7	94.9	94.9	94.9
1.7	93.6	94.5	95.4	96.0	96.1	96.4	96 • 6	96.6	96 • 6
2 • 1	93.9	94.9	96.0	96.6	96.7	97.2	97.6	97.6	97.8
2.1	94.0	9.5 • 0	96.1	96.7	968	97.3	97.7	97.8	98.1
2.2		95.1	96.2	96-∙8	97.0	97.4	98.2	98.4	98.9
2.2	94.2	95.1		96.8	97.0	97.4	98.3	98.7	99.5
2.2		95.1	96.2	96.8	97.0	97.4	98.4	98.8	99.6
2.2	94.2	95.1	9.6 • 2	96.8	97.0	97.4	98.4	98.8	100.0

()

0

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY 085

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

	LING			•••••			· • • • • • • • • • • • • • • • • • • •		TY IN H	
I		бī	GE	Gξ	GE	C.E	GE	GE	GE	G
FE		160	90	80	60	4.3			24	G .
			,,,,,,,,				- 40			
• • •	•••••	• • • • •		* * * * * * *		• • • • • • •			•••••	
NC	CEIL	1.4	28.9	29.8	31.1	31.4	31.4	31.7	31.9	31
GE	200001	2.2	31.9	32.9	39.2	34.5	34.5	34.8	35.1	35
GE	18600	2.2	31.9	32.9	34 . 4	34.7	34.7	35.0	35.3	35
GE	16000	2.2	31.9	32.9	34 • 4	34.7	34.7	35.0	35.3	35
GE	140001	2.2	31.9	32.9	34 . 4	34.7	34 • 7	35.0	35.3	35
	12000	2.3	33.1	34.1	35.5	35.8	35.8	36 1	36.4	36
						22.0	557.5	•	•	
	100001	2.3	34.7	35.7	37.1	37.4	37.4	37.7	38.0	3;8 ←
GΕ	90001	2.3	36.0	37.0	38.4	38.7	38.7	39.0	39.3	319 .
GE	8000	2.3	39.3	40.3	41.9	42.2	42.2	42.4	427	42.
GE	70001	2.3	40.0	41.0	42̂•6	43.0	43.0	43.5	43.9	44,
GE	60001	2.3	40.1	41.2	42.7	43.2	43.2	43.6	44.0	44,
	a	_								
GE	50001	2.6	44.7	45.9	47.9	48.6	48.6	49.1	49.5	49.
G E	45001	2.9	47.1	48.6	50.8	51.5	51.5	51.9	52.4	52,
GE	40001	2.9	50.1	51.7	54.4	55.3	55.3	55.8	56.3	56.
G E	35001	3.C	52.8	54.4	57.6	58.4	58.4	59.0	59.4	59,
GE	3000	3.7	58 • 8	63.4	63.9	64.7	64.7	65.3	66.2	66.
GE	2500	3.9	60.7	62.7	66 • 2	67.1	67.1	67.6	68.5	68.
GE	2000	4.0	66.3	68.5	72.8	74.2	74.2	74 • 8	75.7	76.
CE	1800	4.0	67.3	69.5	74.0	75.4	75.4	76.0	76.8	77.
GE	1500	4.3	69.9	72.2	77.1	79.6	78.6	79.3	80.1	80.
GE	1200	4.5	72.4	74 • 8	79.9	81.4	81.4	82.4	83.7	85.
W 144	12001	4.5	16.77	7 7 4 0	.,,,,	0101	0101	0211		
6 E	1000[	4.5	73.7	76.7	81.7	83.5	83.5	84.5	86.O	87.
6 E	9001	4.5	74.0	77.Ü	82.9	84.7	85.0	86.2	87.8	89•
GE	8001	4.5	74.8	78.3	84.2	86.2	86.5	87.8	89.4	90.
GE	7001	4.5	76.4	80.1	86.8	88.88	89.1	90.4	92.1	93.
GE	6001	4.5	76.8	80.7	87.3	89.5	89.8	91.1	92.9	94.
				•			•			
GE	5001	4.5	76.8	80.7	87.5	89.6	89.9	91.2	93.1	95.
GE	4001	4.5	76.8	80.7	87.6	89.8	90.1	91.4		95.
ĜE	3001	4.5		8C.7	87.6	89.8	90.1	91.4	93.2	95.
GE	200	4.5		80.7		89.8	90.1	91.4		95.
G E	100	4.5		86.7		89.9	96.2	91.5	93.4	95.
	•									
GE	0	4.5	76.8	80.7	87.8	89.9	90.2	91.5	93.4	95.
• • •	• • • • • • •	• • • • •	• • • • • • •	• • • • •	• • • • • •		• • • • • •	• • • • • •		••••

TOTAL NUMBER OF OBSERVATIONS: 695

1 (

•

V	ISTBILI	ITY IN F	UNDREDS	OF MET	ERS						
	GE	GE	GE	GE	GE	GE		GΕ	GE	GE	
	32	24	20	16	12	10	8	5	4	0	
•	2)	• • • • • • •	•••••	• • • • • •			• • • • • •	• • • • • •	•		•
	31.7	31.9	31.9	32.4	32.4	32.7	32.8	32.8	32.9	33.2	
	34.8	35.1	35.1	35.5	35.5	35.8	36 •∴0	36.0	36.3	36.5	
	35.0	35.3	35.3	35.7	35.7	36.0	36,1	36.1	36.4	36.7	
	35.0	35.3	35.3	35.7	35.7	36.0	36 • Í	36.1	36 4	36.7	
	35.0	35.3	35.3	35.7	35.7	36.0	36.1	36.1	36.4	36.7	
	36.1	36. ц	36 • 4	36 • 8	36.8	37.1	37.3	37.3	37.6	37.8	
	27 7	70 0	70 O	70 /	38.4	38.7	38 • 8	38 • 8	39.1	39.4	
	37.7	38.0	38.0	38.4	39.7	40.0	40.1	40.1	40.4	40.7	
	39.0	39.3	39.3	39.7	43.3	43.6	43.7	43.7	44.0	44.3	
	4.2 • 4	42.7	42.9	43.3		44.7	44.9	44.9	45.2	45.5	
	43.5	43.9	44.0	44.5	44.5			45.0	45.3	45.6	
	43.6	44.0	44.2	44.6	44.6	44.9	43.0	45.0	40.0	73.0	
	49.1	49.5	49.8	50.2	50.2	50.6	50.8	50.9	51.2	51.5	
	51.9	52.4	52.7	53.1	53.1	53.5	53.7	53.8	54.1	54.4	
	55.8	56.3	56.5	57.0	57.0	57.4	57.6	57.7	58.Q	58.3	
	59.0	59.4	59.7	60.1	60.1	60.6	60.7	60.9	61.2	61.4	
	65.3	66.2	66.5	66.9	66.9	67.3	67.5	67.6	67.9	68.2	
	57.6	68.5	68.8	69.4	69.4	69.8	69.9	70.1	70.4	7 <sub>0.6</sub>	
	74 • 8	75.7	76.0	76.5	76.5	77.0	77.1	77.3	77.6	77.8	
	76.0	76.8	77.1	77.7	77.7	78.1	78.3	78.4	78.7	79.0	
	79.3	80.1	80.7	81.4	81.4	81.9	82.0	82.2	82.4	82.7	
	82.4	83.7	85.2	86.0	86.0	86.5	86.6	86.8	87.1	87.3	
	a =	04.6	67 5	00 5	88.5	88.9	89.1	89.2	89.5	89.8	
	84.5	86.0	87.5	88.5	90.4	90.8	90.9	91.1	91.4	91.7	
	86.2	87.8	89.2	90.2			92.5	92.7	92.9	93.2	
	87.8	89.4	90.8	91.8	91.9	92.4			95.8	96.1	
	90.4	92.1	93.5	94.7	94.8	95.3	95 • 4	95•5 97•0	97.3	97.6	
	91.1	92.9	94.7	95.8	96.3	96.7	96.8	91.0	7103	7170	
	91.2	93.1	95.0	96.3	96.7	97.3	97.6	97.7	98.0	98.3	
	91.4	93.2	95.1	96.4	96.8	97.4	97.7	97.8	98.1	98.4	
	91.4	93.2	95.1	96.5	97.0	97.6	97 • 8	98.0	98.3	98.6	
	91.4	93.2	95.1	96.5	97.0	97.6	97.8	98.0	98.3	98.7	
	91.5	93.4	95.3	96.7	97.1	97.7	98.0	98.1	98.4	99 • 1	
	91.5	93.4	95.3	96.7	97.1	97.7	98.0	98.1	98.4	100.0	

O

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEIL	ING	GT	GE	GE	GE	GE	GE	VISIBII GE	LITY IN GE	
FEL			90	80	60	48			2 4	
• • • •	• • • • • •	• • • • • • •	• • • •	• • • • • •	• • • • • • •	• • • • • •	• • • • • •	• • • • • •	• • • • • •	• • • • •
NO C	EIL	3	1.8	32.3	33.2	33,2	33.2	33.3	33.3	33
GE 2	10000	3	4.0	34.5	35.7	35.7	35.7	35.8	35.8	36
	10008		4.0	34.5	35 • 7	35.7	35.7		35.8	36
	6000		4.0	34.5	35 • 7	35.7			35.8	36
	40001		4.0	34.5	35 • 7	35.7		35 • 8	35 • 8	36
GE 1	2000]	3	4.0	34.5	35.7	35.7	35.7	35.8	35.8	36
3E 1	16000	3	4 - 8	35.3	36 • 5	36.5	36.5	36.7	36.7	37
	9000	3	ن • ن	36.5	37.7	37.7	37.7	37.8	37.8	38
	10038		8.5	39.0	40.5	40.5	40.5			
	7000		0.2	40.7	42.5	42.7				43
6 E	60001	ц	0.3	46.8	42.7	42.8	42.8	43.0	43.0	43
GE	50001	4	4 • 8	45.3	47.2	47.3	47.3			48
	4500		6 0	46.5	48 • 3	48.7			48.8	49
	40001		9.8	50.3	52.2	52.5				53
•	35001		3.0	53.5	56 • 2	56.5				57
⊌ E	30001	5	9.3	59.8	62.5	63.0	63.2	63.3	63.8	64
G E	25 00	6	2.2	62.7	65 • 5	66.0	66.2	66.3	67.3	67
	20001		6.7	67.3	70.2	70.8				73
	1800		8.0	68.7	71.7	72.5				74
	1500		1.3	72.2	75.5	77.0				79
GE	12001	7	4.3	75.3	78.7	80.2	80.3	80.5	82.3	83
	10001	7	5.2	76.3	79.7	81.2	81.3	81.7	83.8	84
	9 00 l		5.7	76.8	80.5	82.0				86
ΘĘ	8 00		7.7	79.0	83.2	84.7				88
GΕ	700		8.5	0.08	84.5	86.5			90.2	
GΕ	6 DO	7	9.5	81.0	85 • 8	87.8	88.2	89.3	91.5	92
GE	5 00	7	9.5	81.C	85.8	88.2	38.5	90.0	92.3	93
GΕ	4001	7	9.5	81.0	86.U	88.3	38.7		92.7	93
GE	300		9.5	81.0	86 <b>.</b> n	88.3	88.7	90.2	92.8	93
GE	200		9.5	81.0	86.0	88.3			92.8	93
GĘ	100	7	9.5	81.0	86.0	88.3	88.7	90.2	92.8	92
θE	0	7	9.5	81.0	86.0	88.3	86.7	90.2	92.8	93
	• • • • •		• • • •				• • • • • •			• • • • •

TOTAL NUMBER OF OBSERVATIONS: 600

1 (

(

ORD					MONTH	: JAN	RD: 81-	(LST): 2			<i>)</i>
			HUNDREDS			• • • • • • •	• • • • • •	• • • • • •	• • • • • •	• • • • • • • • •	• •
	GE	GE	GE	GE	GE	GE	ΘE	GE	GE	GE	
a	32			16	12	10	8	Մ <u>ե</u> 5	4	0	)
											•
									• • •		
2	33.3	33.3	33.7	33.8	34.0	34.0	34.0	34.3	34.5	34.8	أسا
7	35.8	35.8	36.2	36.3	36 • 5	36.5	36.5	36.8	37.0	37.3	
7 7	35.8	35.8	36.2	36.3	36.5	36.5	36.5	36 • 8	37.0	37.3	3
7	35.8	35.8	36.2	36.3	36.5	36.5	36.3	36.8	37.0	37.3	الخلنه
· >	35.8	35.8	36.2	36.3	36.5	36.5	36.5	36.8	37.0	37.3	
'7 '7	35.8	35.8	36.2	36.3	36.5	36.5	36.5	36.8	37.0	37.3	. )
5 7			-								-40
5	36.7	36.7	37.0	37.2	37.3	37.3	37.3	37.7	37.8	38.2	
7	37.8	37.8	38.2	38.3	38.5	38.5	38.5	38.8	39.0	39.3	)
5	40.7	40.7	41.0	41.2	41.3	41.3	41.3	41.7	41.8	42.2	
7	42.8	42.8	43.2	43.3	43.5	43.5	43.5	43.8	44.0	44.3	
٤	43.0	43.0	43.3	43.5	43.7	43.7	43.7	44.0	44.2	44.5	)
578 3755E	47.5	47.5	48.0	48.3	48.8	48.8	48.8	49.2	49.3	49.7	
7	48.8	48.8	49.3	49.7	50.2	50.2	50.2	50.5	50.7	51 0	)
5	52 • 7	52.8	53.3	53.7	54.2	54.2	54.2	54.5	54.7	55.0	·
5	56.7	56.8	57.3	57 • 7	58.2	58.2	58.2	58.5	58.7	59.0	
Ž	63.3	63.8	64.3	64.7	65.2	65.2	65 • 2	65.7	65.8	66.2	ر
1						-	00 - 4				~.*
2	66.3	67.3	67.8	68.2	68.7	68.7	68.7	69.2	69.3	69.7	
3	71.2	72.3	73.0	73.3	73.8	73.8	73.8	74.3	74.5	74.8	
7 2	72.8	74.2	74 • 8	75.2	75.7	75.7	75.7	76.2	76.3	76.7	_
2	77.3	78.8	79.Š	79.8	80.5	80.5	80.5	81.0	81.2	81.5	
3	89.5	82.3	83.0	83.3	84.0	84.0	84.0	84.5	84.7	85.0	)
2	81.7	83.8	84.7	85.7	86.3	86.3	86.3	86.8	87.0	87.3	
3	83.0	85.2		87.0		87.7	87.7	88.2	88.3	88.7	,
	85.7	87.8	88.7	89.7	90.3	90.3	90.3	90.8	91.0	91.3	)
٠		90.2	91.9	92.0	90.3						
\$	88.0 89.3	91.5	92.3	93.3	94.0	92.7 94.0	92.7 94.0	93.2 94.5	93•3 94.7	93.7 95.0	~,
•	07.3	91+3	74.03	73.3	74.0	74 • 0	74 • 0	74.5	74.1	75.0	)
,	90.0	92.3	93.2	94.2	94.8	94.8	94.8	95.8	96.0	96.3	
1	90.2	92.7	93.5	94.8	95.7	95.7	95.7	96.7	96.8	97.2	)
t	90.2	92.8	93.8	95.2	96.g	96.0	96.0	97.3	97.5	97.8	<i></i>
,	90.2	92.8	93.8	95.7	96.7	96.7	96.8	98.2	98.3	99.0	
,	90.2	92.8	93.8	95.7	96.7	96.7	96.8	98.2	98.3	99.2	う
F	90.2	92.8	93•8	95.7	96.7	96.7	96.8	98.2	98.3	100.0	
	• • • • • •			• • • • • •		• • • • • • •				•••••	• 0
	<del>-</del>			• • •			•		_	•	-/

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF CI FROM HOURLY OBSERVAT

USAFETAC AIR WEATHER SERVICE/MAC

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEILING	• • • • •	• • • • • • • •					AISIBILI	TY IN H	IUNDRÈDS
1N	CT	GE	GE	GE	GE				GE
FÊLT									20
••••									
NO CEIL	2.0	27.1	27.6	28.4	28 • 8	28.9	29.2	29.4	29.5
GE COPOOL	3.3	31.1	31.7	32.7	33.2	33.2	33.5	33.8	33.9
GE 18030	3.3	31.3	31.9	32.9	33.4	33.5	33.8	34.1	34.2
6F 160001	3 • 3	31.3	31.9	32.9	33.4	33.5	33.8	34.1	34.2
GE 140001	3.4	31.5	32.1	33 • 1	33.6	33.7	34.0	34.3	34.4
GE 120001	3.8	32.3	32.9	34.0	34.5	34.6	34 • 9	35 • 2	35.3
02 120001	J •	72.03	32.07	3140	3, , 3	21,0	34.49	3312	
GE 100001	4.1	34.2	34.8	35.9	36.5	36.5	36.9	37.1	37.2
GE 90001	4.1	35.1	35.7	36.9	37.4	37.5	37.8	38.1	38.2
GE 8000	4.1	37.7	38.3	39.6	40.3	40.4	40.8	41.1	41.3
6E 70001	4.2	38.4	39.1	40.5			41.8	42.2	42.3
	4.3	39.0	39.7	41.1	4 <sub>1</sub> .3 41.9	41 • 4 42 • 0	42.5	42.9	43.1
GE 60001	4.5	37.0	3711	4101	41.42	42.0	4713	74.7	43.1
CE 50001	4.6	41.8	42.6	44.2	45.3	45.4	45.9	46.4	46.6
6E 5000]				46.5	47.5	47.7	48.2	48.8	49.0
6E 45001	4.9	43.7	44 • .7					53.1	53.3
6E 40001	5.4	47.4	48.5	5g.5	51.7	\$1.8	52.4		
6E 35001	6.2	50.0	51.2	53.4	54.7	54.9	55.6	56.2	56.4
GE 3000	6.9	56.2	57.5	60.2	61.5	61.7	62.5	63.4	63.6
er araal	7 4	<b>5</b> 2 0	(0.0	(2 1	60.7	60 0	65.7	66.8	67.1
GE 2500	7.4	58.8	60.2	53.1	64.7	64 • 8 70 • 5	71.5	72.8	73.1
GE 2000	9.1	63.3	65.2	68 • á	70.3		73.0		74.7
GE 18001	8.3	64.5	66.5	70.0	71.8	72.0		74 • 4	
GE 1500	8.8	68.0	77.1	74 • 1	76.0	76.3	77.4	78.9	79.3
GE 1200	9.2	70.6	72.9	77.5	79.5	79.8	81.1	82.7	83.3
SE 1000[	9.5	72.4	74.9	79.6	81.8	82.1	83.5	85.3	85.9
GE 900	9.5	72.9	75.3	80.3	82.6	82.9	84.4	86.3	86.9
	9.5		76.3				86 • 1	87.9	88.5
		73.8		81.7	84.0	84.4		89.8	
GE 7gel	9.6	74.7	77.3	83/• 1	85.7	86.0	87.8		90.5
6E 600	9.6	75.0	77.7	83.7	86.4	86.8	8 • 8 8	90.9	91.7
ec cont	a (	75. 1	77 0	84.0	86.9	87.3	89.3	91.5	92.4
68 5001	9.6	75 · 1	77.9				89.7	92.0	92.9
GE 4001	9.6		78.0	84.3	87.3	87.7	89.1		93.2
GE 300	9.6	75 • 2	78.0	84.3	87.3				
GE 2001	9.6		78.0	84.3	87.3		89.9		93.4
GE 100	9.6	75.2	78.C	84.3	87.4	87.8	90.0	92.4	93.4
ce of	G (	75 0	76 0	011 7	07 4	87.8	an n	92 h	93.4
GE n	9.6	12.2		84 • 3			70 + 0	74 4	79.9
	• • • • •	• • • • • • •	• • • • • •	• • • • • • • •	• • • • • •	• • • • • •		• • • • • • •	• • • • • • •

#### REQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

			HUNDREDS	OF ME	IERS					• •
UE	GE	GE	GE	GE	GE	GE	GΕ	GE	GE	GE
40	32	24	20	16	12	10	8	5	4	0
• • • •	• • • • • •		• • • • • • •		• • • • • •	• • • • • • •	• • • • • • •	• • • • • •	• • • • • •	• • • • • • • • • • •
2 • 9	29.2	29.4	29.5	29.8	29.9	30.0	30.1	30.2	30.4	30.5
₹•2	33.5	33.8	33.9	34.2	34.3	34.4	34.5	34.6	34.9	35.0
5 • د	33.8	34.1	34.2	34.5	34.6	34.7	34 • 8	34.9	35.2	35.3
3. S	33.8	34.1	34.2	34.6	34.7	34.7	34.8	35.0	35.2	35.3
3.7	34.0	34.3	34.4	34.8	34.9	34.9	35.0	35.1	35.4	35.5
4.6	34 • 9	35.2	35.3	35.7	35.8	35.9	36.0	36.1	36.3	36.5
<b>ն • 5</b>	36.9	37.1	37.2	37.6	37.7	37.8	37.9	38.0	38.3	38.4
7.5	37.8	38.1	38.2	38.7	38.8	38.9	39.0	39 • 1	39.3	39.5
L.4	40.8	41.1	41.3	41.8	41.9	42.0	42.1	42.2	42.4	42.6
1.4	41.8	42.2	42.3	42.9	43.0	43.1	43.2	43.3	43.5	43.7
2.0	42.5	42.9	43.1	43.6	43.7	43.8	43.9	44.0	44.3	44.4
5.4	45.9	46.4	46.6	47.2	47.4	47.5	47.6	47.8	48.0	48.2
7.7	48.2	48.8	49.0	49.7	49.8	49.9	50.1	50.2	50.5	50 • 6
i•8	52.4	53.1	53.3	54.0	54.1	54.3	54.4	54.5	54.8	55.0
4.9	55,6	56.2	56.4	57.1	57.3	57.5	57.6	57.7	58.0	58.2
1.7	62.5	63.4	63.6	64.4	64.6	64.7	64.8	65.0	65.2	65.4
4. &	65.7	66.8	67.1	67.9	68.1	68.2	68.3	68.5	68.8	68•9
C • 5	71.5	72.8	73.1	73.9	74.2	74.3	74.4	74.7	74.9	75.1
2.0	73.0	74.4	74.7	75.5	75.7	75.9	76.9	76.2	76.5	76.7
(.3	77.4	78.9	79.3	80.2	80.5	80.6	80.7	81.0	81.3	81.4
9.8	81.1	82.7	83.3	84.4	84.7	84.8	85.0	85•Ž	85.5	85.7
2.1	83.5	85.3	85.9	87.2	87.7	87.8	88.1	88.3	88.6	6 • 8 8
2.9	84.4	86.3	86.9	88.2	88.6	88.8	89.1	89.3	89.6	89.7
4.4	86.1	87.9	88.5	89.8	90.3	90.5	90.7	91.0	91.3	91.5
(,0	87.8	89.8	90.5	91.9	92.4	92.6	92.8	93.1	93.4	93.6
6.8	88.88	90.9	91.7	93.1	93.6	93.9	94.1	94.4	94.8	95•0
7 • 3	89.3	91.5	92.4	93.9	94.5	94.7	95.1	95.5	95.9	96•2
7.7	89.7	92.0	92.9	94.5	95.1	95.4	95.8	96.3	96.8	97.0
7.8	89.9	92.3	93.2	94.9	95.6	95.9	96.3	97.0	97.6	98.1
7.8	89.9	92.4	93.4	95.2	95.9	96.2	96.7	97.5	98.2	98.9
7.8	90.0	92.4	93.4	95.3	95.9	96.3	96 • 8	97.7	98.4	99.2
7.8	90.0	92.4	93.4	95.3	95.9	96.3	96.8	97.7	98.5	100.0

O

L

1

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

a 6 .		• • • • •	• • • • • •				* * * * * * *	* * * * * * * * * * * * * * * * *	* * * * * * * * * * * * * * * * * * *	• • •
I.	LING	GT	GE	GE	GE	GE	GE V	GE	TY IN H	G
	i.   E7		9 D		60	48	4 o	32	GE 24	O
			7U							,
• • •	• • • • • • •		• • • • • • •	* * * * * * *	• • • • • • •		• • • • • •	• • • • • •	••••	• • •
41.0	ceti l	• 7	23.4	24.1	26.5	28.9	29.1	30.1	30.5	30
14.0	CEIL	• i	43.4	24.1	20 - 3	20.7	27 · 1	30.1	30.5	JQ
	nanna l		54 0	25 (	20 0	70 F	31.1	32.0	32.7	33
	20000  18000	1.0 1.0	24.8 24.9	25.6 25.7	28 • 0 28 • 2	30.5 30.6		32.0	32.6	33
	16000	1.0	25.U	25.9	28 • 3	30.8	31.2 31.3	32.3	33.0	33 <u>.</u>
					28.3	30.8	31.3	32.3	33.0	33
	14000	1.0	25.0	25.9		_		32.6	33.2	33
G E	12000	1.0	25.3	26.1	28 • 6	31.1	31.6	32.0	33.2	33
_	100 201		21 11	27.7	20. 7	77 .	73 -	33.7	34.3	34
	100001	1.2	26.4	27.2	29.7	32.1	32 · 7		34.5	
CE	90001	1.2	26.5	27.4	29.8	32 • 3	32.8	33.8 35.7	36.4	34 36
GE	80001	1.2	28.0	28.9	31.3	33.9	34.5			38°
GE	7000	1.4	28.7	29.5	32 • 4	35.0	35.7	36.9	37.6	
GE	60001	1.4	29.3	30.1	33.0	35.6	36.3	37.5	38.2	38
~ ~	C 1		71 7	72 1	75 0	77 /	70.7	70 E	4. O . C	40
GE	50001	1.4	31.3	32.1	35.0	37.6	38.3	39.5	40.5	
GE	4500	1.5	34.3	35.2	38.3	40.9	41.7	43.0	44.0	44
GE	4000	1.6	37.2	38.0	41.9	44.6	45.4	46.6	47.9	48
őΕ	3500	1.6	40.4	41.2	45 • 1	47.9	48.7	49.9	51.4	51
6 E	3000	2 • 1	43.0	43.8	47.9	50.9	51 • 7	53.1	54.7	55
	05001				F (3 4	<i></i>	e		F7 2	c -
ĢΕ	2500	2.2	44.6	45.6	50 • 1	53.2	54 • G	55.5	57.2	57
G E	2000	2.5	49.2	50.6	56.0	59.6	60.5	62.0	63.6	64
GE	1800	2.5	49.8	51.2	56.9	60.6	61.4	62.9	64.6	65
ьΕ	1500	2.6	53.1	54.9	60.9	64.7	65.5	67.0	68.8	69
6 E	1200	2.6	54.7	57.3	65.1	69.1	69.9	72.0	74.1	74
								4. W-V	7. 0	<b>~</b> ^
GΕ	1000	2.6	56 · D	58.5	67.2	71.3	72.4	74.7	76.9	78
GE	9001	2.6	56.4	59.1	67.9	72.1	73.3	75.6	78.0	79
úε	800[	2.7	57.C	59.9	68 • 8	73.1	74 • 6	77.0	79.3	80
GΕ	7001	2.7	58.0	60.9	70.2	74.4	75.9	78 • 8	81.7	83
GΕ	6001	2.7	58.1	61.0	70.7	75.2	77.0	80.3	84.0	85
عدو در			F., -		71 -	7.4	70.0	1 4	05 5	07
6 E	500	2.7	58.7	61.6		76.2	78.0	81.4	85.5	87
GE	400	2.7	58.8	61.7	72.4	77.6	79.3	83.0		89
G E	300	2.7	58.8		72.5	77.8	79.6	83.4	88.2	90
GE		2.7		61.7		77.8		83.6		90
GE	100	2.7	58.8	61.7	72.5	77.8	79 • 8	83.6	88.6	90
	- *			. <u>. –</u>			70 1	•		~ ~
GE	01	2.7	58.8		72.5			_		90
• • •	• • • • • • •	• • • • •	• • • • • •	• • • • • •	• • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	

							HOURS		,	• • • • • • • •	•
1	VISIBIL:										
šΕ	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE_	
40	32	24	20	16			8	5	4	0	
	• • • • • • •	• • • • • • •			• • • • • • •	• • • • • • •		• • • • • •	• • • • • •	• • • • • • • •	•
. 1	30 • 1	30.5	30.9	31.5	31.7	31.7	32.1	32 • 6	32.7	33.4	
							_				
.1	32.0	32.7	33.1	33.7	33.9	33.9	34.3	34.7	34.9	35.8	
• 3	32 • 1	32 • 8	33.2	33.8	34.1	34.1	34.5	34.9	35.0	36.0	
	32.3	33.0	33.4	33.9	34.2	34.2	34.6	35.0	35.2	36.1	
. 3	32.3	33.0	33.4	33.9	34.2	34.2	34 • 6	35.0	35.2	36.1	
. 3	32.6	33.2	33.7	34 • 2	34.5	34.5	34.9	35.3	35 <b>.</b> 4	36 • 4	
• 7	33.7	34.3	34.7	35.3	35.6	35.6	36.0	36.4	36.5	37.5	
. 8	33.8	34.5	34.9	35 • 4	35.7	35.7	36.1	36.5	36.7	37.6	
. 5	35.7	36.4	36.8	37.3	37.6	37 • 6	38.0	38.4	38.6	39.5	
. 7	36.9	37.6	38.0	38 • 6	38.9	38.9	39.3	39.7	39.8	40.8	
. 3	37.5	38.2	38.6	39.1	39.4	39.4	39.8	40.2	40.4	41.3	
	3,13	5012		3,42	2,4,				,		
• 3	39.5	40.5	40.9	41.5	41.7	41.9	42.3	42.7	42.8	43.8	
. 7	43.0	44.0	44.5	45.0	45.3	45.4	45.8	46.2	46.4	47.3	
. 4	46.6	47.9	48.3	48.8	49.1	49.2	49.7	50.1	50.2	51.2	
. 7	49.9	51.4	51.8	52.4	52.7	52.8	53.2	53.6	53.8	54.7	
• 7	53.1	54.7	55.1	55.7	56. <sub>0</sub>	56.1	56.5	56.9	57.0	58.0	
<b>.</b> G	E # #	בי ה	e7 (	e0 7	בה ב	CO 7	59.1	59.5	59.6	60.6	
.5	55.5	57.2	57.6	58.3	58 • 5	58 • 7			66.1	67.0	
. 5	62.0	63.6	64.0	64.7	65.0	65.1	65 • 5	65.9			
. 4	62.9	64.6	65.0	65.7	65.9	66 • 1	66.5	66.9	67.D	68.0	
. 5	67.0	68.8	69.4	70.0	70.3	70.5	70.9	71.3	71.4	72.5	
. 9	72.0	74.1	74.8	75.5	75.8	75.9	76.3	76.7	76.9	78.0	
. 4	74.7	76.9	78.1	79.1	79.3	79.5	79.9	80.3	80.4	81.5	
. 3	75.6	78.0	79.2	80.2	80.4	80.6	81.0	81.4	81.5	82.6	
. 6	77.0	79.3	8.08	81.8	82.1	82.2	82.6	83.0	83.2	84.3	
. 9	78 • 8	81.7	83.2	84.1	84.4	84.5	85.0	85.4	85.5	86.6	
.0	80.3	84.0	85.6	86.9	87.1	87.3	87,7	88.1	88.2	89.3	
. 0	41 H	85.5	87.3	89.1	89.3	89.5	89.9	90.6	90.7	91.8	
7	81.4										
. 3	83.0	27.6	89.5	91.7	91.9	92.1	92.5	93.2	93.4	94 • 5	
. 6	83.4	88.2	90.3	92.6	92.9	93.0	93.4	94.1	94.4	95.5	
8	83.6	88.6	90.8	93.3	93.7	94.0	94.5	95.3	95.9	97.4	
8	83.6	88.6	90.8	93.3	93.8	94.1	94.7	95.5	96.2	98.6	
) . გ	33·6	88•6	90.8	93.3	93.8	94.1	94.7	96.0	97.0	100.0	

^

(4

(

 $C_{i'}$ 

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

	LING	••••	• • • • • • •		• • • • • •			visibili		
	N I	GT	GE	GE	GE	GE		GE	GE	UIT
	ET	160		30		48		32	24	
	•							• • • • • • •		• •
N C	CEIL	. 7	21.3	22.5	25.0	26 • 2	26•5	27.3	27.7	2
	200001	• 7	224 5	24.0	26.6	27.9	28.1	29.0	29.6	2 2 2
	18000	• 7	22.5	24.0	26.6	27.9	28.1	29.0	29.6	2
	16000  14000	• 7	22.5	24.0	26.6	27.9	28.1	29.0	29.6	۷
	120601	•7 •8	22.7 23.1	24.2 24.6	26 • 8 27 • 2	28.0	28.3	29.1	29.8	3
O C	120'00'	• •	23.1	24.0	21 • 4	28.4	28.7	29.5	30.2	3
	10000	1.1	24.5	26.1	28.7	30.2	30.5	31.3	32.0	E W W W
GE	9000	1.1	25 • 1	26.8	29.4	ა0.9	31.1	32.0	32.7	3
6 E	8000  7000	1.2	26.0	27.6	30 • 5	32.0	32.2	33.2	33.9	ے
GE	60001	1.4	26.4 27.9	28.1 29.9	31.0 32.9	3 <sub>2</sub> .5 34.4	32 · 8 34 · 7	33.7	34.4 36.5	2
υL	00001	1.5	41.07	47.7	32 • 9	34.4	34.1	35.8	30.3	٤
GE	5000	1.5	29.9	32.0	35 • 1	36.9	37.2	38.5	39.3	2
6 E	45001	1.5	32.8	35.C	38.5	40.6	40.8	42.2	43.0	L
GE	40001	1.6	35.2	37.6	41.3	43.3	43.6	45.1	46.0	4
6 E	35001	1.6	38.3	40.6	44.4	46.4	46.7	48.4	49.3	L,
GE	3000	1.9	41.7	44.1	48.2	50.5	50.8	53.0	54.0	٤
GE	25 00 1	1.9	42.6	45.1	49.5	52.0	52.3	54.5	55.6	ĺ
GE	20001	1.9	45.8	48.6	53.8	57.1	57.4	59.7	60.9	ŧ
ĠΕ	1800	1.9	45.9	48.8	54.2	57.7	57.9	60.2	61.5	ŧ
GE	1500	1.9	48.1	51.0	58 • 1	62.2	62.4	64.8	66.C	ŧ
GE	1200	2.2	50.3	53.6	61.7	66.1	66.4	69.3	70.8	•
GE	10001	2.2	51.0	54.4	63.4	68.2	68.4	71.4	73.2	-
GE	900	2.3	51.1	54.8	63.9	68.7	69.3	72.8	74.6	•
GE	1903	2.3	51.9	55.6	65 <b>.</b> ŋ	69.9	70.6	74.3	76.5	
GE	7001	2.3	52.9	56.6	66 • 1	71.3	72.0	76 • g	78.3	-
GE	6 00	2.5	53.6	57.2	67.1	72.3	73.0	77.2	80.3	÷
GΕ	5001	2.5	54.0	57.9	67.8	73.6	73.6	78,3	82.0	ł
ΘE	4001	2.5		57.9	68.6	74.3	75.0	-		ì
GE	3001	2.5	54.0		69 • Ü	75.G	75.7	80.7	85.5	i
GE	2001	2.5		57.9	69.0	75.1	75.8	80.9	86.7	•
G 👡	1001	2.5	54.0	57.9	69 v Ø	75.1	75.8	80.9	86.7	•
GĘ	0	2.5	54.0	57.9	69.0	75.1	75.8	80.9	86.7	i

٦K					OF RECO				00	_}
									• • • • • • • • • •	)
		IUNDREDS			C.F.		0.5	65	c C	
GE	GE			GE	GE		GE	GE	GE	
32	24	20	16		10		5	4	0	)
* * * * * *	• • • • • • •	•••••	• • • • • •	• • • • • •			• • • • • •		• • • • • • • • • •	
27.3	27.7	27.7	28.3	28.6	28.8	29.1	29.2	29.6	30.3	.*
29.0	29.6	29 • 6	30.5	30.7	31.0	31.3	31.4	31.8	32.5	
29.0	29.6	29.6	30.5	30.7	31.0	31.3	31 -,4	31.8	32.5	j
29.0	29.6	29.6	30.5	30.7	31.0	31.3	31.4	31.8	32.5	~~4
29.1	29.8	29.8	30.6	30.9	31.1	31.4	31.6	32.Ŭ	32.7	
29.5	30.2	30.2	31.0	31.3	31.6	31.8	32.0	32.4	33.1	ر.
						~~ .		<b>-</b>	74. 6	
31.3	32.0	32.0	32.8	33.1	33.3	33.6	33.7	34.2	34.8	
32.0	32.7	32.7	33.5	33.7	34.0	34.3	34 • 4	34.8	35.5	)
33.2	33.9	33.9	34.7	35.0	35.2	35.5	35.7	36.1	36.7	
33.7	34.4	34.4	35.2	35.5	35.8	36.1	36.2	36.6	37.3	
35,8	36.5	36.5	37.3	37.6	37.8	38.1	38.3	38.7	39.3	)
38.5	39.3	39.3	40.4	40.7	41.0	41.3	41.4	41.8	42.5	
42.2	43.0	43.0	44.3	44.5	44.8	45.1	45.2	45.6	46.3	.)
45.1	46.0	46.0	47.3	47.5	47.8	48.1	48.2	48.6	49.3	
48.4	49.3	49.5	50.8	51.1	51.4	51.6	51.8	52.2	52.9	
53.0	54.0	54.1	55.5	55 • 7	56.0	56.3	56.4	56.8	57.5	)
33.0	3710	9 · 1	22.2	33.1	30.0	30.03	5001	30.0	37.03	,
54.5	55.6	55.7	57.1	57.4	57.7	57.9	58.1	58.5	59.2	
59.7	60.9	61.1	62.6	62.8	63.1	63.4	63.5	63.9	64.8	)
60.2	61.5	61.6	63.1	63.4	63.7	63.9	64.1	64.5	65.3	-1
64.8	66.C	66.1	67.6	67.9	68.2	68.4	68•7	69.1	69.9	
69.3	70.8	70.9	72.4	72.7	73.0	73.2	73.5	73.9	74.7	)
i	<del>-</del>								·	,
71.4	73.2	73.8	75.3	75.5	75.€	76.1	76.4	76.8	77.6	
72.8	74.6	75.1	76.6	76.9	77.2	77.5	77.7	78.1	79.0	}
74.3	76.5	77.0	78.6	78.8	79: . 2	79.5	79.9	80.3	81.1	
76 • D	78.3	79.0	81.0	81.3	81.7	82.0	82.4	82.8	83.6	
77.2	80.3	81.0	83.1	83.3	83.7	84.0	84.6	85.0	85.8	( )
70 2	00.0	. 2 .	05 5	5 F F	0/ 1	0/ 5	07 7	07 0	0.0 7	1
78.3	82.0	82 • 8	85 • Ü	85.5	86.1	86.5	87.3	87.8	88.7	
79.9	84.2	85.2	87.6	88.1	88.7	89.2	90.0	90.6	91.4	)
80.7	85.5	36.7	89.2	89.9	90.4	91.1	91.9	92.5	93.3	
83.9	86.7	88.4	90,8	91.5	92.1	92.8	93.6	94.4	96.4	
8G.9	86.7	88.5	91.0	91.7	92.2	92.9	94.0	94.8	98.4	ſ` <b>)</b>
80.9	86.7	88,5	91.0	91.7	92.3	93.0	94.4	95.2	100.0	
	• • • • • • •	• • • • • • •	• • • • • •	• • • • • • •		• • • • • •	• • • • • •	• • • • • •	•••••	• )

ر '

USAFETAC AIR WEATHER SERVICE/MAC

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF FROM FOURLY OBSERV

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

			• • • • • • •							
C F 1	LING							VISIBIL:	ITY IN	HUNDRED
	N I	GT	GE	GE	GE	GE	GE		GE	GE
FE			90					32	24	20
• • •	*****	• • • • •	• • • • • • • •	• • • • • •	• • • • • • •	• • • • • • •	• • • • • •	• • • • • • •	• • • • • •	• • • • • • •
мс	CCIL	. 9	14.2	14 0	17 1	•••	10.7	20.3	21.0	21 7
11 0	oric !	• 7	14.2	14.8	17.1	19.1	19.3	20.7	21.2	21.7
G E	200001	1.0	16.0	17.2	19.8	22.0	22.1	24.1	24.7	25.5
	180001	1.0	16.0	17.2	19.8	22.0	22.1	24.2	24.9	25.7
	160001	1.0	16.0	17.2	19.8	22.0	22.1	24.2	24.9	25.7
GE	190001	1.0	16.3	17.4	20 • 1	22.3	22.4	24.5	25.1	25.9
GE	120001	1.3	16.7	17.8	20.4	22.7	22.8	24.9	25.5	26.3
GE	100001	1.3	17.3	18.5	21 1	22.7	0.1 4			
GE	90001	1.23	17.7	18.9	21.1 21.5	23.3 23.7	23.4 23.8	25.5 25.9	26.2	27.0
GE	8000	1.3	19.0	20.2	22.8	25.1	25.3	27.3	26.6 28.0	27.3
GE	7000	1.3	19.9	21.1	23.7	26.2	26.3	28.4	29.0	28.8 29.8
G E	60001	1.3	20.7	22.0	24.6	27.1	27.2	29.3	29.9	30.7
	•					2.71	6m 1 V 6m	27.5	2/•/	30• /
GE	50001	1 • 4	23.6	25.3	28.0	31.0	31.1	33.2	34.0	35.0
GE	4500	1.4	25.8	27.5	30.3	33.6	33.7	36.1	36.8	37.9
GE	4000	1.4	28.3	29.9	33.5	36.8	37.0	39.6	40.6	41.9
GE	3500	1.4	31.1	32.8	36.7	40.2	40.4	43.0	44.1	45.4
G E	3000	1 . 4	33.5	35.3	39.8	43.4	43.6	46.4	47.5	48.8
GE	2500	1.4	34.4	36 . 2.	41.3	44.8	45.2	48.0	49.3	50.7
GE	20001	1.6	37.9	39.8	46.2	50.5	51.3	54.4	55.9	57.2
GE	18001	1.8	39.1	41.1	47.7	52.0	52.7	56.0	57.4	58.7
GE	1500	1.8	40.9	43.4	51.3	56.4	57.2	60.4	62.1	63.5
GE	12001	1.8	42.7	45.8	54.3	59.5	60.3	64.2	66.0	67.4
										·
GE	1000	2.0	43.8	47.4	56.6	62.1	63.0	67.2	69.5	71.0
GE	900	2.1	44.5	48.3	57.6	63.5	64.5	69.1	71.6	73.2
6 E	8001	2.1	45.4	49.3	58.9	65.0	65.9	71.4	74.1	75.7
GE	700	2.1	46.7	50.7	60.2	66.5	67.4	73.0	75.8	77.5
GE	600	2.1	47.7	51.6	61.3	68.0	68.9	74.7	77.9	79.6
GE	5001	2.1	47.9	52.0	62.1	68.9	69.8	75.8	79.7	81.4
GE	400!	2.2	48.3		62.6		70.4	76.7	81.1	83.1
GΕ	300		48.4	52.5						84.5
GE	5 90 [	2.2		52.5		69.7		77.1		85.3
GE	1 00	2.2	48.4		62,9		70 • 8			85.4
GE	0	2.2	48,4	52.5	62.9	60 7	70.8	77.1	82.4	o e
• • •										85.4

# FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

						FEB		(LST): (		-
			UNDREDS			- m	_	_		
CE	GE	GE	GE	GE	GE		GΕ	GE	GE "	GE
40	32	24	20	16	12	10	8	5	4	0
• • • •	• • • • • •	• • • • • • •	• • • • • • •		• • • • • • •		• • • • • • •	* * * * * * * *		• • • • • • • • •
9 • 3	20.7	21.2	21.7	22.4	22.4	22.5	22.8	23.0	23.2	23.8
2.1	24.1	24.7	25.5	26 • 2	26.2	26.3	26.6	26.8	27.1	27.7
2.1	24.2	24.9	25.7	26.3	26.3	26.4	26.7	27.0	27.2	27.9
2.1	24.2	24.9	25.7	26.3	26.3	26.4	26.7	27.0	27.2	27.9
2.4	24.5	25.1	25.9	26.6	26.6	26.7	27.0	27.2	27,5	28.1
22.8	24.9	25.5	26.3	27.0	27.0	27.1	27.3	27.6	27:9	28.5
23.4	25.5	26.2	27.0	27.6	27.6	27.7	28.0	28.3	28.5	29.2
23.8	25.9	26.6	27.3	28.0	28.0	28.1	28.4	28.6	28.9	29.6
25.3	27.3	28.0	28.8	29.4	29.4	29.6	29.8	30.1	30.3	31.0
:6• 3	28.4	29.0	29.8	30.5	30.5	30.6	30.9	31.1	31.4	32.0
7.2	29.3	29.9	30.7	31 • 4	31.4	31.5	31.8	32 • <sub>0</sub>	32.3	32.9
1.1	33.2	34.0	35.C	35.8	35.8	35.9	36 • 2	36.5	36.7	37.5
3.7	36.1	36.8	37.9	38.8	38.8	38.9	39.2	39.5	39.7	40.5
7.0	39.6	40.6	41.9	43.1	43.2	43.4	43.6	43.9	44.1	44.9
3.4	43.0	44.1	45.4	47.0	47.1	47.3	47.5	47.8	48.0	48.8
3.6	46.4	47.5	48.8	50.7	50.8	50.9	51.2	51.4	51.7	52.5
5.2	48.0	49.3	50.7	52.5	52.6	52.7	53.0	53.3	53.5	54.3
1.3	54.4	55.9	57.2	59.0	59.1	59.2	59.5	59.8	60.0	60.8
2.7	56.0	57.4	58.7	60.5	60.7	60.8	61.1	61.3	61.6	62.4
7.2	63.4	62.1	63.5	65.6	65,8	65.9	66.1	66.4	66.7	67.4
<b>ύ.</b> 3	64.2	66.0	67.4	69.5	69.7	69.8	70.1	70.3	70.6	71.4
7 0	<i>(</i> 7 0	۲۵ ۲	71.0	77 0	77 7	27 (	77.0	70. 1	7.0. 7	79 F 1
3.0 4.5	67.2	69.5	71.0	73.2 75.4	73.3 75.5	73.6 75.8	73.8 76.0	74.1 76.3	74.3 76.6	75 • 1 77 • 3
	69.1	71.6	73.2				78 • 6		79.2	77•3
5.9	71.4	74.1	75.7	77.9	78 • 1	78 • 4		78.9		
7.4 8.9	73.0 74.7	75.8 77.9	77.5	79.8	80.1	80.3	80.6	80.9	81.1	81.9
10.7	14.1	11.9	79.6	81.9	82.3	82.7	82.9	83.2	83.5	84.2
9.8	75.8	79.7	81.4	84.0	84.5	84.9	85.2	85.5	85.8	86.6
70.4	76.7	81.1	83.1	85.8	86.3	86.8	87.1	87.6	87.9	88.7
0.8	77.1	82.0	84.5	87.8	88.7	89.3	89.6	90.4	90.9	92.1
7C • 8	77.1	82.3	85.3	88.8	90.0	90.8	91.3	92.6	93.1	95.6
70 • 8	77.1	82.4	85.4	89.1	90.2	91.0	91.5	93.2	93.9	98.0
70.8	77.1	82.4	85.4	89•1	90.2	91.1	91.7	93.6	94.3	100.0

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

0

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSE

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CET	LING	• • • • •			• • • • • • • • • • • • • • • • • • • •			ISIBILI	* * * * * * * * * * * * * * * * * * *	ומחווו
I		GT	GE	GE	GE	GE	GE	GE	GE	GE
FE	•	160	90	80	60	48	40	32	24	21
					• • •	• • • • • •				
ИC	CEIL	. 6	11.2	11.9	14.2	16.8	17.0	17.9	18.8	19.
υE	200001	• 8	13.4	14.4	17.9	21:0	21.3	23.2	24.4	25.
GΕ	180001	. 8	13.6	14.7	18.3	21.4	21.7	23.8	25.1	26.1
GE	16000	. 8	13.6	14.7	18.3	21.4	21.7	23.8	25.1	26.4
σE	14000	. 8	13.8	14.9	18.6	21.7	22.1	24.2	25.5	26.₹
	120001	• 8	14.7	15.8	19.6	22,7	23.1	25.2	26.5	27.8
	100001	. 8	16.0	17.3	21.4	24.8	25 • 3	27.4	28.7	30.0
G E	9000	٠,8	16.9	18.4	22.6	26.0	26.5	28.6	29.9	31 • 7
GE	3000	. 8	18.1	19.9	24.4	27.8	28.3	30.6	32.2	33.!
GE	7000 l	• 8	18.7	20.5	25 • 6	29.1	29.6	31.9	33.6	34 • '
GE	60001	. 8	13.8	20.6	26.0	29.5	30.0	32.3	34.0	35.1
GΕ	50001	1.2	21.9	23.9	29.9	33.6	34.2	36 • 5	38 • 6	40.1
GΕ	4500	1.4	24.5	26.5	32.6	36.6	37.1	39.5	41.7	43.
ĞĒ	40001	1.4	26.2	28.4	34.7	38.7	39.2	41.6	44.2	45.
GE	3500	1.4	27.7	30 • 4	37.ū	41.3	41.8	44.2	46 - 8	48.1
GE	3000	1.8	29.9	32.6	39.9	44 • 7	45.2	47.5	50.1	52.1
6 E	2500]	1.9	32.2	35.3	42.9	48.1	48.7	51.2	53.8	55•
6 E	2000	2.1	35.2	33.7	47.3	53.1	53.9	56.5	59.4	61.1
6 E	18001	2.2	36.5	40.0	48.7	54.5	55.3	58.1	61.0	63.2
GE	1500	2.2	37.5	41.2	50.1	57 • 0	57.8	61.0	64.3	66.5
GE	12001	2.2	38.6	42.2	53.0	60.1	61.3	65.5	69.1	71.4
6 E	1000[	2.3	40.6	44.7	56.4	63.8	64.9	69.5	73.1	75.5
GE	9001	2.3	41.2	45.5	57.3	64.8	66.1	70.9	74.8	77.1
GE	8001	2.3	41.8	46.1	58 • 4	66.2	67.5	72.6	76.9	79.2
GΕ	7001	2.6	42.1	46.4	58.8	67.1	68.4	73.8	78.3	3.08
GE	6001	2.6	42.6	46.9	59.7	6ª • 2	69.5	75.1	80.3	83.1
GE	5001	2.6	42.9	47.3	60.5	69.1	70.4	76.0	81.4	84.4
GE	4001	2.6	43.1	47.5	60.9	69.5	7C.8	76.4	82.1	85.3
G E	300			47.5	61.0	69.6	70.9		82.6	86.1
GE	2001	2.6		47.5		69.7	71.0	76.6		86 • 2
ΘE	100	2.6	43.1	47.5	61.0	69.7	71.0	76.6	82.7	86.2
GE	01	2.6	43.1	47.5	61.0	69.7	71.0	76.6	82.7	86.2

### ENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

• • •						FEB		•	0900_11	•••••••
G I		GE GE	RUNDREDS GE	OF ME	GE	GE	GE	GE	GE	GE
	32	24	20	16	12		8	5	4	0
• •	• • • •		• • • • • • •	• • • • • •	• • • • • •	• • • • • • •	• • • • • •	• • • • • • •	• • • • • •	• • • • • • • • • •
17	• 9	18.8	19.7	20.0	20.0	20.0	20.0	20.1	Ž0•6	20.9
23		24.4	25.7	26.0	26.0	26.0	26.0	26.1	26.6	26.9
23		25.1	26.4	26.6	26.6	26.6	26.6	26.8	27.3	27.5
23		25.1	26.4	26.6	26.6	26.6	26.6	26.8	27.3	27.5
24		25.5	26.8	27.0	27.0	27.0	27.0	27.1	27.7	27.9
25	• 2	26.5	27.8	28.1	28.1	28.1	28.1	28.2	28.7	29.0
27		28.7	30.0	30.3	30.3	30.3	30.3	30.4	30.9	31.2
28		29.9	31.2	31.4	31.4	31.4	31.4	31.6	32.1	32.3
30		32.2	33.5	33.8	33 • 8	33.8	33.8	33.9	34.4	34.7
31		33.6	34.9	35 • 2	35.3	35,3	35.3	35 • 5	36.0	36-2
32	• 3	34.0	35.3	35.6	35.7	35.7	35.7	35.8	36,4	36.6
36	• 5	38.6	40.1	40.5	40.6	40.6	40.8	40.9	41.4	41.7
39		41.7	43.2	43.9	44.0	44.0	44.2	44.3	44.8	45.1
41		44.2	45.7	46.4	46.8	46.8	46.9	47.0	47.5	47.8
44		46.8	48.4	49.2	49.6	49.6	49.7	49.9	50.4	50 • 6
47	• 5	50.1	52.1	53.1	53.5	53.5	53.6	53.8	54.3	54.5
51	• 2	53.8	55.7	56 • 8	57.1	57.1	57.3	57.4	57.9	58.2
56		59.4	61.4	62.5	62.9	62.9	· 7 • 0	63.1	63.6	63•9
53		61.0	63.2	64.3	64.7	64.7	64.8	64.9	65•5	65.7
61		64.3	66.5	67.5	67.9	67.9	68.1	68.2	68.7	69.0
65	• 5	69.1	71.4	72.9	73.2	73.2	73.4	73.5	74.0	74.3
69		73.1	75.5	76.9	77.3	7-7 • 3	77.4	77.5	78.1	78.3
70		74.8	77.1	78.7	79.1	79.1	79.2	79.4	79•9	80.1
72		76.9	79.2	80.8	81.2		81.3	81.4	81.9	82.2
73		78.3	80.8	82.6	83.0	83.0	83.1	83.2	83.8	84.0
75	• 1	80.3	83.1	85 • 1	85.8	85.8	86.4	86.6	87.1	87.4
76		81.4	84.4	86.5	87.3	87.3	87.9	88•2	88•Ť	89.0
76		82.1	85.3	88.1	88.88	88.8	89.5	89.9	90.4	90•6
76		82.6	86.1	89.6	91.0	91.2	91.8	92.2	92.9	94.4
76	-	82.7	86 • 2	89.9	91.8		92.9	93.5	94.2	96.4
76	• 6	82.7	86.2	89.9	91.8	92 • 3	93.1	94.5	95•2	98.8
76	• 6	82.7	86.2	89.9	91.8	92.3	93.1	94.9	95.6	100.0

O

O

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE O FROM HOURLY OBSER

AIR WEATHER SERVICE/MAC

U

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

		• • • • •					• • • • • •			
	CLING Ch	бŢ	c c	C.F	<i></i>			VISIBIL		
	ET	~	GE 90	6E 80	GE	GE		GE	GE	GE
	-				60	48	40	32	24	20
		• • • • •		• • • • • •	• • • • • • •	• • • • • •	• • • • • •	• • • • • • •	• • • • • •	• • • • • •
ИС	CEIL	. 8	17.5	17.7	20.3	21.3	22.0	22 • 8	23.0	23.2
	200001	1.6	21-+1	21.7	26.0	27.4	28.1	29.0	29.4	29.6
	18000	1.6	21.3	22.0	26.3	27.7	28.3	29.2	29.6	29.5
	16000	1.6	21.3	22.0	26.3	27.7	28.3	29.2	29.6	29.5
	14000	1.6	21.5	22.4	26.8	28.2	28 • 8	29.8	30.1	30.4
U Ł.	12500	1.6	22.4	23.3	27.9	29.4	3G• O	30.9	31.3	31.6
GE	100001	1.3	24.5	25.5	30.3	31.7	32.3	33.2	33.8	34.2
G E	9000	1.8	25.4	26.4	31.3	32.7	33.5	34.4	35.1	35.€
6 E	8000	1.8	27.7	28.7	33.8	35•2	36 € 1	37.0	37.6	38.2
GE	70001	1.9	28.5	29.5	34.5	36.0	36.9	37.8	38.4	38.9
GΕ	600C1	1.9	28.8	29.9	34.9	36 • 4	37.3	38.2	38.8	39.3
G E	50001	2.1	31.6	32.7	38.4	40.0	41.0	42.3	42.9	43.5
GE	4500	2.1	33.4	34 • 5	40 • 4	42.2	43.3	44.8	45.4	46.1
GE	4000	2.2	76.2	37.5	43.5	45,3	46.4	47.9	48.8	49.
GΕ	35001	2.3	39.8	41.5	47.9	49.7	50.8	52.3	53.2	54+1
GE	30001	2.3	42.4	44.9	52.4	54.5	55.6	57.2	58.1	59.4
GE	2500	2.8	45 • 4	48.3	56.1	58.2	59.4	61.1	62.0	63.
GE	2000	3.5	48.4	51.2	60.4	62.5	64. G	66 • 6	67.8	69.
GE	1800	3.5	49.5	52.4	61.8	64.0	65.6	68,6	69.7	71.1
GE	1500	3.6	51.6	54.7	65.3	67.7	69.2	72.7	73.9	75.1
5 E	1200	3 • 6	53.2	56.7	68.4	71.0	72.6	76.6	78.0	79.€
GE	1000	3.6	54.9	58.5	70.6	73.7	75.5	80.1	81.5	83.4
5 E	9001	3.6	55.1	58.9	71.Õ	74.4	76.2	80.7	82.1	84.1
GΕ	800	3.6	55.4	59.5	72.1	75.4	77.4	82.0	83.6	85.
GΕ	700	3.6	56.3	60.5	73,2	77 " 0	78.9	83.6	85.6	87.
GE	6001	3.6	56.9	61.2	74.1	78.0	79.9	84.7	87.7	90.1
GΕ	5001	3.6	56.9	61.2	74.3	78 • 1	80.2	85.1	88.4	9ე•≀
GE	4 00	3.6	56.9	61.2	74.4	78.4	86.5	85.4	89.0	91.
G E	300	3.6	56.9	61.2	74.5	78.5	80.7	85.6	89.3	92.4
GE	5001	3.6	56.9	61.2	74.5	7.8.5	80.7	85.6	89.4	92.
GE	1001	3.6	56.9	61.2	74.5	78.5	80.7	85.6	89.4	92.
GF	c I	3.6	56.9	6.1.2	74.5	78.5	g <b>0.</b> 7	85.6	89.5	92•
					• • • • • •	-	-			

### REQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

4 ()	GE	ITY IN P								
Ü			HUNDREDS	OF MET						
4 G		GE	GE	GE		GE	GE	GÈ	GΕ	GE
• • •	32	24			12		8	5	4	0
. 0	22 • 8	23.0	23.2	23.3	23.4	23.5	23.5	23.5	23.5	23.5
1	29.0	29.4	29.6	29.8	29.9	30.0	30.0	30.0	30.0	30.0
. 3	29.2	29.6	29.9	30.0	30.1	30.3	30.3	30.3	30.3	39.3
. 3	29.2	29.6	29.9	30.0	30.1	30.3	30.3	30.3	30.3	30.3
• ខ • 0	29 • 8	30.1	30.4	30.5	3 n • 7	30.8	30.8	30.8	30.8	30.8
, 0	30.9	31.3	31.6	31.7	31.8	32.0	32.0	32.0	32.0	32.0
. 3	33.2	33.8	34.2	34.3	34.4	34.5	34.5	34.5	34.5	34.5
• 5	34.4	35.1	35.6	35.7	35.8	36 <b>.</b> 0	36.0	36.0	36.0	36.0
. 1	37.0	37.6	38.2	38.3	38.4	38.6	38.6	38.6	38.6	38.6
, 9	37.8	38.4	38.9	39.1	39.2	39.3	39.3	39.3	39.3	39.3
. 3	38.2	38.8	39.3	39 • 5	39.6	39 • 7	39.7	39.7	39.7	39.7
0	42.3	42.9	43.5	43.6	43.9	44.0	44.0	44.0	44.0	44.0
. 3	44.8	45.4	46.1	46.2	46.4	46.6	46.6	46.6	46.6	46.6
4	47.9	48 . 8	49.7	49.8	50.1	50.2	50.2	50.2	50.2	50.2
8	52.3	53.2	54.1	54.2	54.5	54.6	54.6	54.6	54.6	54.6
6	57.2	58.1	59.4	59.5	59.8	59.9	59•9	59.9	59.9	59.9
, 4	61.1	62.0	63.3	63.4	63.6	63.8	63.8	63.8	63.8	63 • 8
. 0	66.6	67.8	69.1	69.2	69.5	69.6	69.6	69.6	69.6	69.6
. 6	68.6	69.7	71.0	71.2	71.4	71.5	71.5	71.5	71.5	71.5
. 2	72.7	73.9	75.3	75.4	75.7	75 • 8	75.8	75.8	75.8	75.8
· Ł	76.6	78.D	79.8	80.2	80.5	80.6	80.6	80.6	80.6	80.6
• 5	80.1	81.5	83.4	84.0	84.2	84.3	84.3	84.3	84.5	84.5
• 2		82.1	84.2	84.9	85.1	85.3	85.3	85.3	85.4	85.4
4	82.0	83.6	85.8	86.5	86.8	86.9	86.9	86.9	87.1	87.1
9	83.6	85.6	87.8	88.7	89.0	89.3	89.3	89.3	89.4	89.4
. 9	84.7	87.7	90.2	91.2	91.5	91.8	91.8	91.8	92.0	92.0
. 2	85.1	88.4	90.8	92.2	92.6	93.0	93.0	93.0	93.1	93.1
5	85.4	89.0	91.7	94.0	94:•4	95.1	95.3	95.6	95.7	95.7
7	85.6	89.3	9:2 • 4	95.0	96.1	96.8	97.4	97.7	97.8	97.8
7	85.6	89.4	92.5	95.2	97.0	97.7	98 • 4	98.7	98.8	98.8
, 7	85.6	89.4	92.5	95.2	97.0	97.7	98.4	99,.0	99.1	99.2
. 7	85.6	89.5	926	95.3	97.2	97.8	98.6	994	99.5	100.0

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBS

STATION NUMBER: 036440 STATION NAME: PAF FAIRFORD UK

	* * * * * * * *	• • • • •	• • • • • • •							-
	LING			_	_				TY IN H	
I		GT	GE	GE	GE	GE	GE	GE	GE	G
FE	ET	160	90	80	60			32		i
	• • • • • •	• • • •								• • •
NC	CEIL	. 9	18.8	19.5	21.0	21.3	21.6	22.1	22.9	22
	- 14			-						
GE	200001	1.7	25.1	26.1	29 • 4	30.1	30.4	31.2	32.0	32.
	18000	1.9	25.4	26.4	29.6	30.4	30.7	31.4	32.2	32
	16000	1.9	25.4	26.4	29.6	30.4	30 • 7	31.4	32.2	32
	1400C	1.9	25.7	26.8	30.0	30.8	31.0	31.8	32.6	32
GΕ	12000	2.2	26.3	27.3	30.9	31.7	32.0	32.7	33.8	33,
	100001	2.5	29.8	30.8	34.8	35.7	36.0	36.9	37.9	38,
GE	9000	2.5	30.8	31.8	36 <b>.</b> ŋ	36.9	37•1	38.2	39.2	39,
GE	8000l	2.5	32.5	33.6	38.3	39.2	39.5	40.5	41.5	41.
Gε	70001	2.5	32.6	33.8	38.4	39.5	39.7	40.8	41.8	42
GE	60001	2.5	33.1	34.3	39.2	40.4	40.8	41.8	42.9	43.
<b>.</b>	90.001	<b>4.</b> • 3.		5 , . 5	.,,,		.0.0	, , , ,	1207	
GE	5000]	2.5	35,3	36.9	/s 1 =	43.3	43.9	44.9	46.1	46
	-				41.9					
GE	45 00	2.5	38.6	40.2	46.1	47.6	48.3	49.4	50.8	51.
GF.	40001	3. n	43.5	45.4	51.6	53.2	53.9	55.1	56.7	56.
GE	3500	3.1	47.0	48.9	55.4	56.9	57.7	58.9	60.4	60.
GE	30001	4.0	51.4	53.6	60.9	62.5	63.4	64.9	66.8	67.
GE	2530	4 . G	51.9	54.2	61.7	63.3	64.2	65.7	67.9	68.
GE	20001	4.0	55.1	57.6	65.5	67.4	68.4	70.5	72.8	73.
GE	1800	4.0	56.0	58.6	66.8	68.7	69.7	71.8	74.3	74.
GE	1500	4.0	57.1	59.6	70.2	72.7	73.7	76.8	79.9	80.
GE	12001						78. D	81.6	85.3	86.
O E	12001	4 • C	59.4	62.4	73.7	76.8	76. U	01.0	00.0	٥٥.
0.5					<b></b>	<b></b>		<b>.</b>		
GE	1000	4.1	60.5	63.6	75.8	79.3	80.6	84.5	88 • 2	89.
GΕ	900	4.1	60.8	64.0	76 • 2	79.7	81.0	85.0	88,7	89.
GE	8 00	4.1	61.6	64. d	77.2	80.7	82.D	86.0	89.8	90.
GE	70cl	4.1	62.1	65.7	78.1	81.8	83.2	87.2	91.2	92.
GE	6001	4.1	62.4	66.0	78.4	82.4	83.8	87.8	92.0	92.
	•									
GE	50el	4.1	62.4	66.1	78.5	82.7	84.1	88.1	92.5	93.
GE	400	4.1		66.1	78.7			-		94.
6 E	3001			66.1	78.9					
	· .									
G E	2001			66.1			84.9			
₿ E	1001	4.1	62.4	66.1	18.9	85.5	84.9	89.3	93.9	95.
	1						<b>.</b>			~ -
CE	0		62.4							95 🛊
	• • • • • •	• • • • •	• • • • • • •		• • • • • •	• • • • • •	• • • • • •	• • • • • • •	• • • • • • •	• • • • •

TOTAL NUMBER OF OBSERVATIONS:

773

## PUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

DRE	UK					OF RECO				00	)
		ITY IN I	HUNDREDS			• • • • • •	• • • • • •	• • • • • •	• • • • • •	• • • • • • • • • •	j
o	G E 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE O	J
6	22.1	22.9	22.9	23.2	23.2	23.2	23.2	23.2	23.2	23.2	
4 7 7 0 C	31.2 31.4 31.4 31.8 32.7	32.0 32.2 32.2 3 <sub>2.6</sub> 33.8	32.0 32.2 32.2 32.6 33.8	32.2 32.5 32.5 32.9 34.0	32.2 32.5 32.5 32.9 34.0	32.2 32.5 32.5 32.9 34.0	32.2 32.5 32.5 32.9 34.0	32.2 32.5 32.5 32.9 34.0	32.2 32.5 32.5 32.9 34.0	32.2 32.5 32.5 32.5 32.9 34.0	<b>3</b> 3
0 1 5 7 8	36.9 38.2 40.5 40.8 41.8	37.9 39.2 41.5 41.8 42.9	38.2 39.5 41.3 42.0 43.2	38.6 39.8 42.2 <sup>4</sup> 2.4 43.6	38.6 39.8 42.2 42.4 43.6	38.6 39.8 42.2 42.4 43.6	38.6 39.8 42.2 42.4 43.6	38.6 39.8 42.2 42.4 43.6	38.6 39.8 42.2 42.4 43.6	38 • 6 39 • 8 42 • 2 42 • 4 43 • 6	)
9 3 9 7 4	44.9 49.4 55.1 58.9 64.9	46.1 50.8 56.7 60.4 66.8	46.3 51.1 56.9 60.7 67.1	46.7 51.5 57.3 61.1 67.5	46.7 51.5 57.3 61.1 67.5	46.7 51.5 57.3 61.1 67.5	46.7 51.5 57.3 61.1 67.5	46.7 51.5 57.3 61.1 67.5	46.7 51.5 57.3 61.1 67.5	46.7 51.5 57.3 61.1	j
2 4 7 7 0	65.7 7 <sub>0.5</sub> 71.8	67.9 72.8 74.3	68.3 73.2 74.6	68.7 73.6 75.0	68.7 73.6 75.0	68.7 73.6 75.0	68.7 73.6 75.0	68.7 73.6 75.0	68.7 73.6 75.0	67.5 68.7 73.6 75.0	c C
	76.8 81.6	79.9 85.3	80.5 86.0	81.2	81.2 87.1	81.2 87.2	81.2 87.2	81.2 87.2	81.2 87.2	81 • 2 87 • 2	)
0 U U N	84.5 85.0 86.0 87.2	88.2 88.7 89.8 91.2	89.1 89.7 90.7 92.1	90.2 90.7 91.7 93.1	90.2 90.7 91.8 93.3	90.3 90.8 92.0 93.4	90.3 90.8 92.0 93.4	90.3 90.8 92.0 93.4	90.3 90.8 92.0 93.4	90.3 90.8 92.0 93.4	)
8	87.8	92.0	92.9	94.0	94.2	94.3	94.3	94.3	94.3	94.3	)
1 5 9	88.1 98.9 89.3	92.5 93.3 93.8 93.9	93.5 94,4 95.0 95.1	95.0 96.0 96.8 96.9	95.3 96.4 97.7 98.1	95.5 96.8 98.2 98.7	95.6 97.0 98.4 99.2	95.6 97.0 98.6 99.5	95.6 97.0 98.6 99.5	95.6 97.0 98.7 99.6	Ċ
9 9	89.3 89.3	93.9	95.1 95.1	96.9 96.9	98.1	98.7 98.7	99.2 99.2	99.5 99.5	99.5 99.5	99.6	•)
	• • • • • •	••••	• • • • • • •	• • • • • •	• • • • • •	• • • • • • •	• • • • • •	• • • • • • •	• • • • • •	• • • • • • • • • •	()
											$\circ$

(

(

€,

. 6

£\_

(

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

* • • • •	LING	• • • • • •	• • • • • •	• • • • • •	••••••			• • • • • • • •	• • • • • •	• • • • • •
I:		GΤ	0.5	c. #	6.5			VISIBIL		
FE E	•	160	GE 90	GE	30	GE	GE	GE	GE	GE
	- '			80	03	48	40	32	24	20
		• • • • •			•••••	• • • • • •	• • • • • •	• • • • • • •	• • • • •	• • • • • •
NO C	CEIL	• 5	24.3	25.5	27.2	27,8	28.1	28 • 7	29.4	29.4
	100002	. 5	27.8	29.3	31.9	32.5	32.9	33.5	34.3	34.3
	180 00	٠.	27.9	29.4	32.0	32.6	33.1	33.7	34.4	34.4
	160001	• 5	27.9	29.4	32.0	32.6	33.1	33.7	34.4	34.4
	14000	• 5	27.9	29.4	32.0	32.6	33.1	33 • 7	34.4	34.4
GE 1	120001	. 5	28.1	29.6	32.2	32.8	33.2	33.8	34.6	34.6
	10000	• 5	30.7	32.3	34.9	35.8	36.3	36.9	37.6	37.6
GE	90001	• 5	31.9	33.5	36 • 1	37.0	37.5	38.1	38.8	38.8
	80001	. 5	34.4	36.3	38.8	39.9	40.4	41.0	41.7	41.7
6 E	70001	• 5	35.1	37.0	39.6	40.8	41.3	41.9	42.6	42.6
GE	60001	• 5	35.2	37.2	39.8	41.0	41.4	42.0	42.8	42.8
	50001	. 5	39 • 5	41.7	44.5	46.3	46.7	47.3	48.3	48.3
	4500	• 6	43.2	45.5	48.6	50.4	50.8	51.9	52.€	53.0
	40001	. 6	46.9	49.2	52.7	54.9	55.4	56.4	57 • 4	57.5
	3500	• 6	50.8	53.1	57.1	59.3	59.8	60.8	61.8	61.9
6 E	30001	• 6	57.1	59.5	64.3	66.6	67.1	69.0	70.0	70.1
	2500	. 6	59.0	61.6	66.5	69 <b>.</b> D	69.5	71.5	73.0	73.6
	20001	• 6	61.0	63.7	69.0	72.4	72.8	75.1	76.9	77.5
	18001	• 6	61.0	64.0	69.7	73.0	73.4	7Š.7	77.5	78.1
	1500	• 6	62.8	66.2	72.5	76.3	76.8	79.7	81.9	82.7
GE	1200	.6	65.3	68.7	75.6	79.4	79.8	82.7	85.3	86.0
	1000	. 8	65.9	69.5	76.9	80.9	81.6	84.5	87.6	88.5
6.5	900	8.	66.3	70.0	77 • 4	81.3	82.1	85.0	88.0	88.9
GE	8001	. 8	66.9	70.6	78.3	82.2	83.0	86.2	89.2	90.1
GE	700	• 8	67.2	70.9	78.8	82.7	83.5	86.6	89.8	90.9
CE	6001	. 8	67.4	71.6	79 • 8	84.1	85.0	88.2	91.4	92.4
GE	5 00	. 8	67.8	72.1	80.3	84.5	85,4	88.6	91.8	92.9
6 F	400]	• 8	68. <sub>0</sub>	72.4	80.7	85.0	85.9	89.1	92.3	93.3
GE	300	• &	68.0	72.4	81.0	85.4	86.3	89.5	92.7	93.9
GΕ	200	. 8	68.0	72.4	81.0	85.4	86.3	89.5	92.7	93.9
GE	100	. 8	68.0	72.4	81.0	85.4	86•3	89.5	92.7	93.9
6 E	01	. 8	60.0	72.4	81.0	85.4	86.3	89.5	92.7	93.9
• • • •	• • • • • •	• • • • • •		• • • • • •	• • • • • • •	• • • • • •		• • • • • • •		• • • • • •

υK				PERIOD MONTH	OF REC	ORD: 75 HOURS	-76,80- (LST):	87 1800-2 <sub>0</sub>	000	
	77V 7M			• • • • • •		• • • • • •	• • • • • •	• • • • • •	********	•
GE	GE	HUNDREDS GE	GE ME		CE	C =	~		o ==	
32	24	20	16	GE	GE	GE	GE_	GE "	e E	
	2 4	20		12	10	8	5	4	0	
	• • • • • • •	• • • • • • • •		• • • • • •	• • • • • •	• • • • • •	• • • • • •	• • • • • •	• • • • • • • • •	•
28.7	29.4	29.4	30.2	30.3	30.5	30.5	30.5	30.5	30.5	
33.5	34.3	34.3	35.1	35 • 2	35.4	35.5	35.5	35.5	35.5	
33.7	34.4	34.4	35.2	35.4	35.5	35.7	35.7	35.7	35.7	
37.7	34.4	34.4	35.2	35.4	35.5	35.7	35.7	35.7	35.7	
33.7	34.4	34.4	35.2	35.4	35.5	35.7	35.7	35.7	35.7	
33.8	34.6	34.6	35 • 4	35.5	35.7	35.8	35.8	35.8	35.8	
36.9	37.6	37.6	38.4	38.5	38.7	38,8	70 .	70.0	70 0	
38.1	38.8	38.8	39.6	39.8	39.9	40.1	38.8 40.1	38.8	38.8	
41.0	41.7	41.7	42.5	42.6	42.8	42.9	42.9	40.1 42.9	40.1 42.9	
41.9	42.6	42.6	43.4	43.6	43.7	43.9	43.9	43.9		
42.0	42.8	42.8	43.6	43.7	43.9	44.0	44.0	44.0	43.9 44.0	
4 <b>7</b> 7	0.0 7		"0.0							
47.3	48.3	48.3	49.0	49.2	49.3	49.5	49.5	49.5	49.5	
51.9	52.8	53.0	53.7	53.9	54.0	54.2	54.2	54.2	54.2	
56.4	57.4	57.5	58 • 4	58.6	58.7	58.9	58.9	58.9		
60.8	61.8	61.9	62.8	63.0	63.1	63.3	63.3	63.3	63.3	
69.0	70.0	70.1	71.0	71.2	71.3	71.5	71.5	71.5	71.5	
71.5	73.0	73.6	74.5	74.7	74.8	75.0	75.0	75.0	75.0	
75.1	76•9	77.5	78.8	78.9	79.1	79.2	79.2	79.2	79.2	
75.7	77.5	78.1	79.4	79.5	79.7	79.8	79.8	79.8	79.8	
79.7	81.9	82.7	84.2	84 4	84.5	84.7	84.7	84.7	84.7	
82.7	85.3	86.Q	87.9	88.0	88.2	88.3	88.3	88.3	88.3	
84.5	87.6	88.5	90.6	90.7	90.9	91.0	91.0	91.0	91.0	
85.0	0.88	88.9	91.0	91.2	91.4	91.5	91.5	91.5	91.5	
86.2	89.2	90.Í	92.7			93.2	93.2			
86.6	89.8	90.9	93.5		93.8		93.9	93.9		
88.2	91.4	92.4	95.3	95.4	95.6	95.8	95.8	95.8	95.8	
88.6	91.8	92.9	95.9	96.1	96.2	96.4	96.4	96.4	96.4	
89.1	92.3	93,3	96.4	96.5	96.7	96 • 8	96.8	96.8	96.8	
89.5	92.7	93.5	97.4	97.6	97.7	98.0				
89.5	92.7	93.9	97.7	98.2		98 • U	98.0	98.0	98.0	
89.5	92.7	93.9	97.7	98.2		98.8 98.9	98.9	98.9	99.8	
0,45	, , ,	7 4 7	7 1 4 1	70 . 2	98.3	70 • 7	99.1	99•1	100.0	
89.5		93.9		98.2				99.1	100.0	
• • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • •	• • • • • •	•••••	• • • • • •	• • • • • •	• • • • • • • • •	•

١.

Ĺ.

(

(

(

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEIL	ING	• • • • • •	• • • • • •		•••••		V	ISIBILI	TY IN H	UN
IN		GT	GE	GE	GE	GE	GE			
FEE	T	160	90	80	60	48	40	32	24	•
										• •
		• • • •	-							
NO C	EIL		27.6	27.9	31.0	32.4	33.0	34 • 8	34.9	3
						•	J	J		
G r 2	100001		29.3	29.8	33.4	34.8	35.4	37.2	37.3	3
GË 1	10008		29.5	36.0	33.6	34.9	35.6	37.3	37.5	3
GE 1	10009		29.5	30.0	33.6	34.9	35.6	37.3	37.5	3
GE 1	40001		29.5	30.0	33.6		35•6	37.3	37.5	3
GE 1	2000		29.6	30.1	33.7	35.1	35.8	37.5	37.7	3 -
6E 1	00001		31.0	31.5	35.1	36.5	37.3	39.0	39.2	3 5
G E	9000		31 • 7	32.2	35 • 8	37.2	38.0	39.7	39.9	35
GE	80001		33.4	33,9	38.0	39 • 4	40.2	42.0	42.1	47
GE	7001		34.1	34.6	39.0	40.4	41.8	43.7	43.8	40
ΘĘ	60001		34.8	35.3	39.7	41.1	42.5	44.3	44.5	41
	50001		33.7	39.2	44.0	45.7	47.1	49.0	49.8	45
	45001		41.8	42.3	47 • 3	49.0	50.3	52.2	53.1	53
GE	40001		45.2	45.7	50.7	52.6	53.9	55 • 8	56.8	5€
ijΕ	35 30		47.3	47.9	53.1	55.0	56.3	58-•2	59.2	55
GE	30001		54.6	55.3	61.ŋ	62.8	64.2	66.4	68.0	6 8
	25001		56.0	56.7	62.5	64.4	65.8	68.0	69,5	65
	50001		59.8	60.4	66 , 4	69.D	70 • 4	72.8	74.5	74
	1860		60.1	60.8	67.3	69.9	71.2	73.6	75.3	75
	1500		62.2	63.0	70.4	72.9	74.3	77.2	79.1	79
GE	12001		65.4	66.4	74.8	77.7	79.1	82.5	84.6	84
GE	1000		66.3	67.5	76.2	79.3	80.7	84.2	87.0	87
GE	9001		66.4	67.6	76.5	79.6	81.0	84.6	87.3	87
GΕ	8 00		67.5	68.7	78.1	81.3	82.9	86.5	89.2	89
GE	700		67.5	68.7	78.1	81.3	82.9	86.5	89.2	9 C
GE	6001		68.3	69.5	79.3	82.7	84.8	88.4	91.4	92
						_	_	_		
GE	5001		68.8	70.0	0.03	33.4	85.4	89.0	92.3	93
GE	400		69.2	70.4	80.5	84.1		89.7		94
GE	300		69.2	70.4	80.5	84.1	86.1	89.7	93.2	94
GE	200		69.2	70.4	80.5	84.1	86.1	89.7	93.2	94
CE	100		69.2	70.4	80.5	84.1	86 • 1	89.7	93.2	94
~ ~	<b>~!</b>			70 '		0.4.				a. 1.
G E	91		69.2	70.4	80.5	84.1	-	89.7	93.2	94
					• • • • • • •	• • • • • • •			• • • • • • •	

11	TSTRTE	 TTY TN 1	HUNDREDS			• • • • • • •	• • • • • • •	• • • • • •	• • • • • •		
٧	GE	GE .	GE	GE	GE	GE	GE	GE	GE	GE	
	32	24	20	16	12	10	8	5	4	D	
•	• • • • • •	• • • • • •		• • • • • •	• • • • • •	• • • • • • •			•••••	• • • • • • • • • •	1
	34 • 8	34.9	34.9	35.6	35.6	35.8	36 <b>)</b> 0	36.0	36.0	36.0	
	37.2	37.3	37.3	38 • 2	38.2	38.4	58·5	38.7	38.7	38.7	
	37.3	37.5	37.5	38.4	38.4	38.5	38.7	38.9	38.9	38.9	
	37.3	37.5	37.5	38.4	38.4	38.5	38.7	38.9	38.9	38.9	
	37.3	37.5	37.5	38.4	38.4	38.5	38.7	38.9	38.9	38.9	
	37.5	37.7	37.7	38.5	38.5	38.7	38.9	39.0	39.0	39.2	
			•								
	39.0	39.2	39.2	40.1	40.1	40.2	40.4	40.6	40.6	40.8	
	39.7	39.9	39.9	40.8	40.8	40.9	41.1	41.3	41.3	41.4	
	42.0	42.1	42.1	43 • <sub>0</sub>	43.0	43.2	43.3	43.5	43.5	43.7	
	43.7	43.8	43.8	44.7	44.7	44.9	45.0	45.2	45.2	45.4	
	44.3	44.5	44.5	45.4	45 • 4	45.5	45.7	45.9	45.9	46.1	
	49.0	49.8	49.8	50.7	50.7	51.0	51.2	51.4	51.4	51.5	
	52.2	53.1	53.1	53.9	53.9	54.3	54.5	54.6	54.6	54.8	
	55 • 8	56.8	56.8	57.7	57.7	58.0	58.2	58.4	58.4	58.6	
	58.2	59.2	59.2	60.1	60.1	60.4	60.6	60.8	60.8	61.0	
						69.2		69.5	69.5	69.7	
	66 • 4	68.0	68.0	68.8	68.8	07.2	69.3	07.5	09.5	0901	
	68.0	69.5	69.5	70.4	70.4	70.7	70.9	71.1	71.1	71.2	
	72.8	74.5	74.5	75.7	75.7	76.0	76.2	76.4	76.4	76.5	
	73.6	75.3	75.3	76.7	76.7	77.1	77.2	77.4	77.4	77.6	
	77.2	79.1	79.1	80.5	80.5	80.8	81.0	81.2	81.2	81.3	
	82.5	84.6	84.6	86.3	86.3	86.6	86.8	87.0	87.0	87.2	
	84.2	87.0	87.3	89.0	85.0	89.4	89.6	89.7	89.7	89.9	
	84.6	87.3	87.7	89.4	89.4	89.7	89.9	90.1	90.1	90.2	
	86.5	89.2	89.7	91.4	91.4	91.8	92.0	92.1	92.1	92.3	
	86.5	89.2	90.1	91.8	91.8	92.1	92.3	92.5	92.5	92.6	
	88.4	91.4	92.3	94.2	94.2	94.5	94.9	95.0	95.0	95.2	
	an 11	02 7	07.7	05 //	05 "	05 7	06 1	0.5.2	96.2	96 "	
	89.0	92.3	93.2	95.4	95.4	95.7	96.1	96.2	96.2	96.4	
	89.7	93.2	94.0	96.6	96.6	96.9	97.3	97.4	97.4	97.6	
	89.7	93.2	94.0	96.6	96.7	97.1	97.4	97.6	97.6	97.8	
	89.7	93.2	94.0	96.7	96.9	97.6	98.1	98.3	98.3	99.1	
	89.7	93.2	94.0	96.7	96.9	97.6	98.1	98.3	98.3	99.8	
	89.7	93.2	94.0	96.7	96.9	97.6	98.1	98.3	98.3	100.0	
											•

USAFETAC AIR WEATHER SERVICE/MAC

(

€.

C

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRE FROM HOURLY

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEILING I <sub>N</sub> FEET	G7   16:0		GE 80	-	GE 48	GE 4 O	G E 32	TY IN H GE 24	
NO CEIL			25,1	22 • 4	23.9	24.2	25.1	25.7	•
GE 20000 GE 18000 GE 16000 GE 14000 GE 12000	1.0 1.0 1.0	22.3 22.3 22.5	23.4 23.4 23.4 23.6 24.0	26.3 26.5 26.5 26.7 27.3	28.2 28.2	28.4 28.5 28.6 28.8 29.4	29,6 29.8 29.8 30.0 30.6	30.3 30.5 30.5 30.7 31.3	
GE 10000 GE 9000 GE 7000 GE 6000	1.2 1 1.2 1 1.3	27·1 27·7	25.9 26.6 28.3 29.0 29.6	29.2 30.0 32.0 32.7 33.5	31.8 31.8 33.8 34.7 35.4	31.5 32.3 34.3 35.2 36.0	32.7 33.6 35.6 36.6 37.4	33.5 34.3 36.4 37.4 38.2	
GE 5000 GE 4500 GE 4000 GE 3500 GE 3000	1 1.4 3   1.6 3   1.6	36.9 39.9	32.6 35.5 38.6 41.7 45.6	36 · 8 39 · 9 43 · 4 46 · 7 51 · 3	39.0 42.3 45.8 49.3 54.0	39.6 42.9 46.5 49.9 54.7	41.1 44.5 48.2 51.6 56.7	42.1 45.6 49.5 53.0 58.2	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
GE 2500 GE 2000 GE 1800 GE 1500 GE 1200	0  2.1 0  2.2 0  2.2	48.5 49.2 51.1	47.4 50.8 51.6 53.7 56.1	53.4 57.7 58.7 62.ú 65.4	56.2 41.1 62.2 65.9 69.6	56.9 61.9 63.0 66.8 70.5	59.0 64.3 65.5 69.6 73.9	60.6 66.1 67.3 7 <sub>1.7</sub> 76.3	€ € 7 7
6E 1000 6E 900 6E 800 6C 700 6E 600	0   2.3 0   2.3 0   2.4	54.7 55.4 56.1	58.0	67.5 68.1 69.2 70.1 70.9	72.0 72.7 73.9 75.0 76.0	73.1 73.9 75.1 76.2 77.4	76.7 77.7 79.2 80.4 81.8	79.3 80.4 82.0 83.5 85.4	8 8 8 8
GE 500 GE 400 GE 300 GE 200 GE 100	0   2.4 0   2.4 0   2.4	57.0 57.0 57.0	60.5 60.7 60.7 60.7 60.7	72.2 72.2	77.3 77.6 77.7	78.7 79.1 79.1	82.5 83.4 83.7 83.8 83.8	87.6 88.2 88.5	8 8 9 9
			60.7						9(

### EQUENCY OF GCCURPENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

UK	D UK						ORD: 75	-76,80-	87		
					нтиом			(LST):	ALL		
• •	VTSTOTI					• • • • • • •	• • • • • • •	• • • • • •	• • • • • •	*	
	GE	GE THE	HUNDRED! GE	GE GE		~	c E	GE	c c	C.E.	
C	32	24	20	16	GE	GE	GE		GE,	GE	
					12	10	8	5	4	0	
•	• • • • • •	• • • • • • •	• • • • • • •	• • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • •		• • • • • • • • • • •	
2	25.1	25.7	25.9	26.4	26.5	26.6	26.8	26.9	27.0	27.3	
					2010	2010	2010	2007	2,40	2,143	
ļ	29.6	30.3	30.6	31.1	31.2	31.3	31.5	31.6	31.8	32.1	
ā	29.8	30.5	30.8	31.4	31.5	31.6	31.7	31.9	32.0	32.4	
5	29.8	30.5	30.9	31.4	31.5	31.6	31.7	31.9	32.1	32.4	
Ė	30.0	30.7	31.1	31.6	31.7	31.8	32.0	32.1	32.3	32.6	
ļ	30.6	31.3	31.7	32.2	32.3	32.4	32.6	32.7	32.9	33.2	
•	30.0	31.3	3117	26 + 6	3213	J Z • T	32.0	32 • 1	34.7	J J • Z	
,	32.7	33.5	33.9	34.4	34.5	34.6	34.8	34.9	35.1	35.4	
3	33.6	34.3	34.8	35.3	35.4	35.5	35 • 7	35.8	36.0	36.3	
:	35.6	36.4	36.9	37.4	37.5	37.6	37.8	37.9	38.1	38 • 4	
	36.6	37.4	37.8	38.4	38.5	38.6	38 • 8	38.9	39.1	39.4	
•	37.4	38.2	38.6	39.2	39.3	39.4	39.6	39.7	39.9		
	37,4	30.2	28.0	37.2	J 7 4 J	37.4	37.0	27 • 1	37.7	40.2	
	41.1	42.1	42.6	43.2	43.4	43.5	43.7	43.8	44.0	44.4	
	44.5	45.6	46.2	46.9	47.0	47.1	47.3	47.4	47.6	48.0	
	48.2	49.5	50.1	50.8	51.0	51.1	51.3	51.4	51.6		
	51.6	53.0	53.6	54.4	54.6	54.7	-				
							54.9	55.1	55.2	55.6	
	56.7	58.2	58.9	59 • 8	60.0	60.1	60.3	60.4	60.6	61.0	
,	59.0	60.6	61.4	62.3	62.5	62.6	62.8	62.9	63.1	63.5	
ì	64.3	66.1	66.9	67.9	68.1	68.2	68.4	68.5	68.7	69.1	
ì	65.5	67.3	68.1	69.1	69.3						
						69.5	69.6	69.8	69.9	70.3	
	69.6	$\frac{7}{7}$ 1.7	72.6	73.7	73.9	74.0	74.2	74.4	74.5	74.9	
	73.9	76.3	77.3	78.6	78.8	79.0	79•2	79.3	79.5	79.9	
	76.7	79.3	80.6	82.0	82.2	82.3	82.5	82.7	82.8	83.2	
	77.7	80.4	81.6	83.1	83.3	83.5	83.6	83.8			
	75.2	82.0			85.1						
	80.4	02.0	83.4	84.9	_	85.3	85.5	85.7	85.9		
			85.0	86.6	86.8	87.0	87.2	87.4	87.6	88 • <u>0</u>	
	81.8	85.4	86.9	88.7	89.0	89.3	89.5	89.7	89.9	90.3	
	82.5	86.5	88.1	90.2	90.6	90.8	91.1	91.4	91.6	92.0	
,	83.4	87.6	89.4	91.8	92.2	92.6	92.9	93.3	93.5	•	
	83.7									93-•9	
		88.2	9.0 • 2	93.0	93.7	94.1	94.5	95.0	95.2	95.9	
	83.8	88.5	90.6	93.5	94.5	95.1	95 • 6	96.2	96.6	97.8	
	83.8	88.5	90.7	93.6	94.6	95.1	95.8	96,6	96.9	99.0	
	83.8	88.5	90.7	93.6	94.6	05 2	05 0	04.0	077	100.0	
	07.0	00+3	7 U • 1	73.0	74.0	95.2	95.8	96.8	97.3	100.0	

O

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

	LING	• • • • •			, . <i>,</i>	, • • • • • • •			TY IN H	
	ti I	GT	GE	GE	GE	GE		GE	GE	G
	ŁT	160	90	80	60	48	40	32	24	•
	•									,
										ļ
NO	CEIL	1.3	28.4	29.1	31.8	34.6	34.7	36.3	37.2	37
										l
	200001	1.6	30.4	31.2	34 , 3	37.7	38.1	39.9	41.2	41
	180001	1.6	30.4	31.2	34.3	37.7	38.1	39.9	41.2	41
	16000	1.6	30.4	31.2	34.3	37.7	38.1	39.9	41.2	41
	14000	1.6	30.5	31.3	34 • 4	37.8	38.2	40.1	41.4	41
GE	12000	1.6	30.8	31.8	34 • 9	38 • 4	38.7	40.6	41.9	42
سم		. 7	70.0	22.0	מידי ה	1. 10 h	7.		4.6 E	n n
	100004	1.7	32.9	33.9	37.0	40.4	41.1	43.2	44.5	44
GE	90001	1.7	33.0	34.0	37.2	40.6	41.2	43.3	44,6	44
GE	80001	1.7	35.5	36.5	39.7	43.1	43.7	45.8	47.1	47
GE	70001	1 7	36.3	37.3	40.4	44.0	44.6	46.9	48.3	48
GE	6000]	1.7	37.3	38,4	41.5	45.0	45 • 7	48.0	49.6	49
GE	50601	2.2	41.8	43.1	46.5	50.1	5C.8	53,4	55.0	55
6 E	45001	2.5	43.5	44.8	48.3	52.C	52.6	55.2	56.9	57
6.5	480C I	2.9	47.3	49.0	52.7	57.2	57.9	60.6	62.3	62
GE	35.00	2.9	51.2	53.0	57 • 2	61.8	62.4	65.2	66.9	67
GE	3000	3.0	54.2	56.0	60.2	64.8	65.4	68.5	70.3	70
0.0	3 0 1	JEU	77 · C	JU + W	0012	07.0	~5• <del>4</del>	00.0	, 0 . 3	, .,
GF	2500	3.0	54.8	56.7	60.9	65.4	66.1	69.1	70.9	7 1
GΕ	20001	3.7	58.2	60.1	64.4	69.4	70.0	73.0	74.9	7 Š
GE	1800	3.7	r8.6	60.9	65.6	70.5	71.2	74.3	76.2	76.
GE	1500	3.9	61.3	63.5	68.5	73.6	74.2	77.4	79.2	79
GE	1200	4.7	64.4	66.6	72.0	77.2	77.9	81.2	83.2	83
				-				4 · <del>-</del>	-	-
Ġ E	1000	4.7	65.6	63.1	73.8	79.5	80.2	83.6	86.0	86,
GE	9 00 1	4.7	6.6.6	69.2	75.4	81.0	81.8	85.2	87.7	88
GE	8 00	4.7	67.5	73.4	76.6	82.3	83.1	86.6	89.1	89
GE	7 00	4.7	68.6	71.6	78.3	84.3	85.2	89.0	91.5	917
GE	6001	4.7	68.8	71.9	78.7	84.8	85.7	89.5	92.3	92.
GE	500		68.8					90.3		
GE		4.7	69.1	72.3	79•8	86.5	87.7	92.0	94.8	95,
CΕ	3 00 [	4.7	69.1	72.3	79.8	86.5	87.7	92.5 92.5	95.4	96.
GE	200.	4.7	69.1	72.3	79.8	86.5	87.7	92.5	95.4	96,
GE	100	4 • 7	69.1	72.3	79.8	86.5	87.7	92.5	95.4	96.
										~ .
GE	3]		69.1	•						96.
			• • • • • • •				• • • • • • •	• • • • • •	• • • • • • •	• • • • •

FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

FORD	υK						RD: 75-			00	
• • • •				• • • • • •						• • • • • • • • • •	
			HUNDREDS					0.5	0.5	~=	
E	GE	GΕ	GE	GE	GE	GE	GE	GE	GE .	GE	
40	32	24	20	16	12	10	8	5	4	0	
• • • •	• • • • • •	• • • • • • •	• • • • • • •	• • • • • •	• • • • • •		• • • • • •	• • • • • •	• • • • • •	• • • • • • • • • •	
• 7	36.3	37.2	37.2	37.4	37.4	37.4	37.4	37.7	38.1	38-•7	
1	39.9	41.2	41.4	41.6	41.6	41.6	41.6	41.9	42.3	42.9	
1	39.9	41.2	41.4	41.6	41.6	41.6	41.6	41.9	42.3	42.9	
ī	39.9	41.2	41.4	41.6	41.6	41.6	41.6	41.9	42.3	42.9	
2	40.1	41.4	41.5	41.8	41.8	41.8	41.8	42.0	42.4	43.1	
7	40.6	41.9	42.0	42.3	42.3	42.3	42.3	42.5	42.9	43.6	
			_								
1	43.2	44.5	44.6	44.9	44.9	44.9	44.9	45.2	45.5	46.2	
2	43.3	44.6	44.8	45.0	45.0	45.0	45.0	45.3	45.7	46.3	
7	45.8	47.1	47.4	47.6	47.6	47.6	47.6	47.9	48.3	49.0	
6	46.9	48.3	48.6	48.8	48.8	48.8	48.8	49.1	49.5	50 • 1	
7	48.0	49.6	49.9	50 • 1	50.1	50.1	50.1	50.4	50.8	51.4	
ક	53.4	55.0	55.2	55 • 8	55.8	55.8	55 • 8	56 • n	56.4	57.1	
6	55.2	56.9	57.2	57.7	57.7	57 • 7	57.7	58.0	58.4	59.0	
9	60.6	62.3	62.6	63.1	63.1	63.1	63.1	63.4	63.7	64.4	
4	65.2	66.9	67.1	67.7	67.7	67.7	67.7	67.9	68.3	69.D	
. 4	68.5	70.3	70.5	71.2	71.2	71.2	71.2	71.5	71.9	72.5	
1	69.1	70.9	71.2	71.9	71.9	71 • 9	71.9	72.1	72.5	73.2	
Ō	73.0	74.9	75.1	75.8	75.8	75.8	75.9	76.2	76.6	77.2	
, 2	74.3	76.2	76.4	77.1	77.1	77.1	77.2	77.5	77.9	78.5	
2	77.4	79.2	79.5	80.1	80.1	80.1	80.2	80.5	80.9	81.5	
9	81.2	83.2	83.5	84.2	84.2	84.2	84.3	846	84.9	85-∙6	
2	83.6	86.D	86.3	86.9	86.9	86.9	870	87.3	87.7	88.4	
<u>د</u> بر	85.2	87.7	88.0	88.6	88.6	88.6	88.7	89.0	89.4	90 • 1	
ა 1			89.4							•	
· ·	89.0	91.5	91.8	92.4	92.4	92.4	92.5	92.8	93.2	93.8	
2	89.5	92.3	92.5	93.2	93.2	93.2	93.3	93.6	94.0	94.6	
	66.7	07 1	07 7	0# 0	94.0	011 0	94.1	0,, ,,	0.0	95 • 4	
· 1	90.3	93.1	93.3	94.0		94.0 96.9		94.4	94.8		
7	92.0	74.8	95.8	96.9	96.9		97.0	9.7 • 3	97.6	98.3	
7	92.5	95.4	96.5	97.6	97.6	97.6 97.9	97.8	98.0	98.4	99•1 99•3	
	92•5 92•5	95.4	96.7	97.9	97.9		98.0	98.3	98 <b>.7</b> 99 <b>.</b> 0		
. 7	72.5	95.4	96.7	97.9	97.9	97.9	98 • D	98.6	77 • U	99•9	
. 7	92.5	95.4	96.7	97.9	97.9	97.9	98.D	98•6	99.0	100.0	
	• • • • •					• • • • • •					•

USAFETAC AIR WEATHER SERVICE/MAC

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSE

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEILING IN FEET		GE 90	GE 80	GE 60	48	GE 4 0	VISIBILI GE 32	GE 24	HUNDR GE 2
NC CEIL	1 2.0	22.8	23.0	25 • 8	27.0	27.0	28.0	28.9	29,
GE 20000 GE 18000 GE 16000 GE 14000 GE 12000	2.1   2.1   2.1	24.3 24.3 24.3 24.3 24.7	24.6 24.6 24.6 24.6 25.3	27.9 27.9 27.9 27.9 28.5	29.3 29.3 29.3 29.3 30.0	29.7 29.7 29.7 29.7 30.4	31.4 31.4 31.4 31.4 32.1	33.2 33.2 33.2 33.2 34.0	33. 33. 33. 34.
GE 10000 GE 9000 GE 8000 GE 7000 GE 6000	2.1 2.1 2.1 2.1	25.7 25.7 26.4 26.7 28.0	26.3 26.3 27.1 27.5 28.9	29.7 29.7 30.5 31.0 32.5	31.2 31.9 32.5 33.9	31.5 31.5 32.3 32.9 34.3	33.2 33.2 34.0 34.6 36.0	35.2 35.2 36.0 36.5 38.2	35.1 35.1 36.1 37.1 39.1
GE 5000 GE 4500 GE 4000 GE 3500 GE 3000	2.7 3.0 3.4	32 · 1 34 · 4 38 · 6 43 · 1 47 · 9	33.2 35.6 39.9 44.4 49.2	36.9 39.5 44.2 48.8 53.7	38.6 41.4 46.5 51.3 56.5	39.0 41.8 46.9 51.7 56.9	40.7 43.5 48.6 53.4 58.6	42.9 45.8 51.0 55.9 61.3	43. 46. 52. 56. 62.
GE 2500 GE 2000 GE 1800 GE 1500 GE 1200	4.2	50.4 53.8 54.6 56.3 58.8	51.7 55.1 55.9 57.6 60.1	56.3 59.9 60.7 62.4 65.3	59.2 63.1 63.9 65.8 69.1	59.6 63.6 64.4 66.4 69.8	61.5 65.6 66.4 68.7 72.4	64.1 68.2 69.0 71.6 75.4	65. 69. 69. 72. 76.
GE 1000 GE 900 GE 800 GE 700 GE 600	4.7	60.5 62.0 63.2 64.1 64.4	61.8 63.4 64.8 65.7 66.0	67.1 68.8 70.7 72.1 72.6	71.1 72.9 75.3 77.1 77.9	72.1 74.0 76.3 78.1 78.9	74.7 76.6 78.9 81.2 81.9	78.3 80.4 82.9 85.3 86.3	79 • . 81 . 83 • ! 86 • ! 87 • !
GE 500 GE 400 GE 300 GE 200 GE 100	4.7	64.7	66.4 66.4 66.4	73.6 73.6	78.3 79.2 79.5 79.5 79.5	80•2 80•9 80•9	83.8 84.4 84.4	88.6	90.8 91.9
6E 0		64.7							

TOTAL NUMBER OF OBSERVATIONS: 764

•

# FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

••••	VISIBIL	ITY IN	HUNDRED	S OF MF	TERS	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • •	• • • • • • • • • •
CE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
40	32	24	20	16	12	10	8	5	4	0
••••	• • • • • • •	• • • • • •	• • • • • • •	• • • • • • •	• • • • • •	• • • • • •	• • • • • •	• • • • • •	• • • • • •	• • • • • • • • • •
27.0	28.0	23.9	29.3	29 • 7.	29.7	30.2	30.4	30.9	31.2	32.6
29.7	31.4	33.2	33.9	34.2	34.2	34.7	34.8	35 • 3	35.6	37.2
29.7	31.4	33.2	33.9	34.2	34.2	34.7	34.8	35.3	35.6	37.2
29 • 7	31.4	33.2	33.9	34.2	34.2	34.7	34.8	35.3	35.6	37.2
29.7	31.4	33.2	33.9	34.2	34.2	34.7	34.8	35.3	35.6	37.2
0.4	32.1	34.0	34.7	34.9	34.9	35 • 5	35.6	36.1	36.4	38.0
31.5	33.2	35.2	35.9	36.1	36.1	36.6	36.8	37.3	37.6	39.1
31.5	33.2	35.2	35.9	36.1	36.1	36.6	36.8	37.3	37.6	39.1
2.3	34.0	36.0	36.6	36.9	36.9	37.4	37.6	38.1	38.4	39.9
32.9	34.6	36.5	37.2	37.4	37•4	38.0	38.1	38.6	38.9	40.4
4.3	36.0	38.2	39.0	39.3	39.3	39.8	39.9	40 • 4	40.7	42.3
9 • G	40.7	42.9	43.7	44.0	44.6	44.5	44.6	45.2	45.4	47.1
1.8	43.5	45 • 8	46.6	46.9	46.9	47.4	47.5	48.0	48.3	50.0
6.9	48.6	51.0	52.0	52 • 2	52.2	52.7	52.9	53.4	53.7	55.4
1.7	53.4	55.9	56.8	57 <b>.</b> 1	57.1	57.6	57.7	58 • 2	58.5	60.2
6.9	58.6	61.3	62.2	62.6	62.6	63.1	63.2	63.7	64.0	65•7
9.6	61.5	64.1	65.1	65.6	65.6	66.1	66.2	66.8	67.0	68.7
3.6	65.6	68.2	69.1		69.8	70.3	70.4	70.9	71.2	72.9
4.4	66.4	69.6	69.9	70.5	7 <sub>0</sub> .5	71.1	71.2	71.7	72.0	73.7
6.4	68.7	71.6	72.5	73.2	73.2	73.7	73.8	74.3	74.6	76.3
8 • 8	72.4	75.4	76.3	77.0	77.1	77.6	77.7	78.3	78.5	80.2
2.1	74.7	78.3	79.2	80.0	80.1	80.6	80.8	81.3	81.5	83.2
4.0	76.6	80.4	81.3	82.1	82.2	82.7	82.9	83.4	83.6	85.3
5.3	78.9	82.9	83.8	84.6	84.7	85,2	85.3	85.9	86.1	87.8
d • 1	81.2	85.3	86.4	87.2	87.3	87.8	88.0	88.5	88.7	90•4
8.9	81.9	86.3	87.4	88.2	88.4	88.9	89.0	89.5	89.8	91.5
9.3	82.7	87.3	88.9	89.7	89•8	90.3	90.4	91.0	91.2	92.9
<b>6.2</b>	83.8	88.6	90.8	91.9	92.0	92.5	92.7	93.3	93.6	95.3
3.9	84.4	89.4	91.9	93.1	93.2	93.7	93.8	94.5	94.8	96•7
ũ• 9	84.4	89.4	92.0	93.3	93.6	94.2	94.5	95.5	95.9	97.9
0,9	84.4	89.5	92.3	93.6	93.8	94.5	94.8	95.9	96.7	99.6
L.9	84.4	89.5	92.3	93.6	93.8	94.5	94 • 8	95.9	96.7	100.0

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

		• • • • •	• • • • • •	• • • • • •		• • • • • •	• • • • • •	• • • • • • •		• • • • •
	ILING In	GT	GF	~ ~	~-	2.5	er. em	AISIRIT:		
	EET	-	90	GE 80	GE 60	GE 48	GE 4 D	GE	GE 2."	GE
						40	40	32	24	21
						• • • • • •	• • • • • •	• • • • • • •	• • • • • •	• • • • •
ИС	CEIL	• 7	15.3	15.9	17.2	18.3	18.8	18.9	19.4	20.1
	200001		18.8	19.6	21.4	22.8	23.5	24.3	25.1	26.;
	18000		18.9	19.7	21.5	22.9	23.7	24.4	25.2	26.
	16000	1.5	18.9	19.7	21.5	22.9	23.7	24.4	25.2	26
	120001		19.2 20.0	20.1 20.9	22.0	23 • 4	24 • 1	24.9	25.7	26.1
0 L	140.001	1.00	20.0	20.9	22.9	24.4	25.1	25.9	26 • 8	27.1
üΕ	100001		21.6	22.9	25.1	26.6	27.4	28.2	29.0	30.
GE	90001	1 • 4	22.1	23.5	25.8	27.4	28.1	29.3	30.1	31.7
G E	80001		23.7	25.3	27.8	29 • 4	30.5	31.7	32.5	33.4
GE	7000  6000	1.4 1.6	24.0 24.4	25.8	28.4	30.2	31.4	32 • 6	33.5	34.
G E	02.001	1.0	24.4	26.4	29.4	31.2	32.4	33.7	34.8	35.
úΕ	50001	1.8	26.9	29.2	32.4	34.4	35.6	36.9	38.1	39.
GE	45001	1.9	28.2	30 + 6	34 • 1	36.2	37.4	38.7	39.9	41.
GE	4000	2.3	32 1	34.8	38.2	40.9	42.2	43.5	44.8	46.
ΘE	35001	2.5	36.0	39.1	43.1	45.8	47.1	48.4	49.8	51.
ÇΕ	30001	3.0	40.3	43.5	47.8	50.9	52.2	53.8	55.6	56.
ΰE	2500	3 • 3	42.1	45.4	49.8	53.0	54.4	55.9	58.1	59.
GE	50.001	3 • B	46.4	50.2	55.ì	58 • 3	59.6	61.3	63.4	64.
CE	1800	3.9	46.6	50.4	55.6	58.8	6c. 1	61.8	63.9	65.
GE	1500	3.9	47.9	52.1	57.7	61.5	62.8	64.5	66.8	68.
CE	12001	4.1	50.5	55.0	61.2	65.2	66.5	68.6	70.8	72.
GE	10001	4.2	52.0	56.5	63.1	67.3	68 • 8	70.8	73.6	75.
GE	900	4.3	52.4	57.1	63.8	68.0	69.5	71.7	74.7	76.
GE	1003	4.3	52.9	57.7	64.9	69.2	70.8	73.4	76.6	78.
G E	7001	4.3	53.5	58.7	65.9	70.4	72.4	75.0	78.9	81.
e E	6001	4 • 3	54 • 4	59.6	67.4	72.0	74.1	76.8	80.9	83.
G E	5 00	4.3	54.8	60.7	(0 -	7				
GE	4 00 1	4.3	55.0	60.3 60.6	68.2 68.8	73.2 74.0				85.
GE	3001	4.3	55. <sub>0</sub>	60.6	68.8	74.6	76.2	79.1 79.3		86.
ΰĒ	200	4.3	55.0	60.6		74 • n		79.3		87.
GE	100	4.3	55.0			74.0	76.2		84 • B	87. 87.
	-	•							• · • U	<b>.</b> ,,
G E	üΙ	4.3	55.0	60.6		74.1			84.1	87.
	• • • • • •	••••	• • • • • • • •	• • • • • •	• • • • • • •					

TOTAL NUMBER OF OBSERVATIONS: 837

(

### FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

	υK				PERIOD MONTH:	MAR	HOURS (	LST): C	080_080		
	ISIBIL	ITY IN F	UNDREDS	OF MET		• • • • • •	•••••	• • • • • • • •		-	•
GE	GE	GE	GE	GE	GE	GE	GΕ	GΕ	GE	GE	
4 C	32	24	20	16	12	10	8	5	4	0	
								•		• • • • • • • •	•
18.8	18.9	19.4	20.3	21.6	22.0	22.5	22.6	22.8	23.3	25.0	
23.5	24.3	25.1	26.2	27 • 8	28.2	28.7	28 • 8	29.0	29.5	31.3	
23.7	24.4	25.2	26.3	28.0	28.3	28.8	28.9	29.2	29.6	31.4	
23.7	24.4	25.2	26.3	28.0	28.3	28.8	28.9	29.2	29.6	31.4	
	24.9	25.7	26.8	28.4	28.8	29.3	29.4	29.6	30.1	31.9	
24.1				29.5	30.0	30.5	30.6	30.8	31.3	33.1	
25.1	25.9	26 • 8	27.8	47.0	20.0	JU + J	JU • U	20.0	34.5	J 4 + 1	
27.4	28.2	29.0	30.1	31.8	32.3	32 • 7	32.9	33.1	33.6	35.4	
28.1	29.3	30.1	31.2	32.9	33.3	33.8	33.9	34.2	34 • 6	36.4	
30.5	31.7	32.5	33.6	35,4	35.8	36.3	36.4	36.7	37.2	38.9	
31.4	32 • 6	33.5	34.5	36 • 3	36.8	37.3	37.4	37.6	38 • 1	39.9	
32.4	33.7	34.8	35.8	37 • 6	38.1	38.6	38.7	38.9	39.4	41.2	
35.6	36.9	38.1	39.4	41.2	41.7	42.2	42.3	42.5	43.0	44.8	
7.4	38.7	39.9	41.2	43.1	43.8	44.3	44.4	44.7	45.2	47.0	
2.2	43.5	44.8	46.1	48.0	48.7	49.2	49.3	49.6	50.1	51.9	
		49.8	51.1	53.0	53.8	54.5	54.6	54.8	55.3	57.1	
17.1	48.4		-		59.6	60.3	60.5	60.7	61.2	63.0	
52.2	53.8	55.6	56.9	58.8	37.0	60 • 2	00.0	00.1	0142	0000	
54.4	55.9	58.1	59.4	61.3	62.1	62.8	63.0	63.2	63.7	65.5	
59.6	61.3	63.4	64.9	66.8	67.6	68.3	68.5	68.7	69.2	71.0	
€0•1	61.8	63.9	65.4	67.3	68.1	68.8	68.9	69.2	69.7	71.4	
52.8	64.5	66.8	68.3	70.3	71.1	71.8	72.0	72.3	72.8	74.6	
56.5	68.6	70.8	72.4	74.3	75.1	75.9	76.1	76.5	76.9	78.7	
66.8	70.8	73.6	75.4	77.4	78.4	79.1	79.3	79.7	80.2	82.0	
65.5	71.7	74.7	76.6	78.7	79.8	80.5	80.8	81.1	81.6	83.4	
7u. 8	73.4	76.6	78.5	80.8	81.8	82.6	82.8	83.2			
72.4	75.0	78.9	81.2	84.0	85.1	85 • 8	86.0	86.4	86.9	88.6	
74.1	76.8	80.9	83.6	86.5	87.8	88.5	88.8	89.1	89.6	91.4	
17.1	10.0	00.7	07+0	QU•J	01+0	00.0	~~~~	W / # 1		, =	
75.5	78.3	82.7	85.7	88.8	90.1	90.9	91.2	91.6	92.1	93.9	
76.2	79.1	83.5	86.7	90.1	91.4	92.6	93.0	93.5	94.0	95.8	
76.2	79.3	84.0	87.3	90.8	92.5	94.0	94.5	95.2	95.8	98•0	
76.2	79.3	84.0	87.5	90.9	92.6	94.1	94.7	95.5	96.3	98.7	
76.2	79.3	84 • D	87.5	90.9	92.6	94.4	95.0	95.7	96.5	99.8	
	, , , , ,		J								
76.3	79.5	84.1	87.6	91.0	92.8	94.6	95.2	95.9	96.8	100.0	
• • • • •				• • • • • •	• • • • • •	• • • • • •	• • • • • •	• • • • • •	• • • • • •	• • • • • • • • •	•

GLOBAL CLIMATOLOGY BRANCE PERCENTAGE FREQUENCY OF OCCURRENCE C FROM HOURLY OBSER

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CET	LING	• • • • •	* * * * * * * *	• • • • •				VISIBILI	TY IN I	HINOR
	N	GT	GF	GE	GE	GE	GE	GE	GE	GE
	ËT j	160	90	80				32	24	20
					_					
• • •										
NC	CEIL	. 8	14.3	14.7	16.0	17.5	17.7	19.1	19.2	20.2
	20000	2.1	20.9	21.6	23.2	25.5	25.9	27.3	27.6	28.5
	180001	2.1	20.9	21.6	23.2	25.5	25.9	27.3	27.6	28.5
	16000	2.1	20.9	21.7	23.4	25.6	26.1	27.5	27.7	28.€
	14000	2.1	21.1	22 • 4	24 • 1	26.3	26 • 8	28.2	28.4	29.1
6 E	12000	2.5	22.2	23.5	25.1	27.3	27.8	29.2	29.5	30.1
GΕ	100001	2.7	24.1	25.5	27.6	30.4	30.9	32.4	32.7	33.7
GE	90001	2.7	24.5	25.9	28.3	31.1	31.7	33.2	33.7	34.6
GE	8000	2.8	27.5	29.1	31.9	35.0	35.7	37.2	37.7	38.€
GE	7000	2.8	28.8	30.5	33.5	36 • 5	37.2	38.8	39.3	40.
GE	60001	2.8	29.5	31.2	34.2	37.2	37.9	39.6	40.0	41.0
GE	5000	2.9	31.3	33.3	36 • 5	39.8	46.5	42.8	43.4	44.1
G E	4500	3 • 1	32.9	35.2	38.5	41.9	42.6	45.0	45.5	46.5
G E	4000	3.4	36.4	38.7	42 • 1	45.5	46.5	48.8	49.5	50.5
GΕ	35 00	3.5	39.2	41.9	45.4	43.8	49,8	52 • 1	52.8	53.₹
GE	3000 J	3.5	45.0	47.8	52.0	55.6	56.6	58.9	59.9	60.
GE	25001	3.6	47.2	50.0	54.5	58.5	59.4	61.9	62.8	63.8
GE	2000	4.2	52.2	55.5	60 • 2	64.6	65.5	68 • 1	69.1	70.7
GE	1860	5.0	53.9	57.4	62.1	66.4	67.4	70.0	71.0	72.
GE	1500	5.6	56.5	60.3	65.5	69.8	70.8	73.7	74.9	76.
ĴΕ	1200	6.1	58.6	62.8	68.3	73.1	74.1	77.6	78.8	80.1
GE	1000	6.1	60.3	64.7	70.7	75.7	76.6	80.5	82.2	84.(
G E	900	6.1	60.9	65.3	71.4	76.4	77 • 8	81.9	83.8	85.1
GE	8 00	6.1	61.5	66.0	72.3	77.5	78.9	83.1	85.U	87 • 1
GE	700	6.1	62.1	67.3	73.8	79.5	86.9	85.1	87.1	89.
GΕ	6001	6.1	62.4	67.7	75.0	80.9	82.3	86.9	89.0	92.
GE	5001	6.1	62.4	67.7	75.0	81.1	82.5	87.4	89.8	93.1
GE	4001	6.1	62.6	67.8	75 • 4	81.5	83.1	88.3	90.8	94.2
GE	3001	6.1	62.6		75.4	81.5	83.1	88.5	91.3	94.1
GE	2001	6.1	62.6	67.8		81.5		88.5		94.
GE	100		62.6	67.8	75.4	81.5	83.1		91.3	94.1
GE	el	6.1	62 • 6						91.3	94.
	• • • • • •	• • • • •	• • • • • • •				• • • • •	• • • • • • • •	• • • • • •	• • • • •

### FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

FA IRF ORD						MAR	HOURS	LST1:	0900-11	
						• • • • • • •	• • • • • • •	• • • • • •	• • • • • • •	• • • • • • • • •
			UNDREDS			_				
GE	GE	GE		GE		GΕ		GE	GE	GE
40			20			10	8	5	4	0
	• • • • • •		•••••							
							• • •			
17.7	19.1	19.2	20.2	21.5	21.5	218	21.8	21.8	21.9	22.5
25.9	27.3	27.6	28.5	29.9	29.9	30.3	30.3	30.3	30.4	31.0
25.9	27.3	27.6	28.5	29.9	29.9	30.3	30.3	30.3	30.4	31.0
26.1	27.5	27.7	28.6	30.0	30.0	30.4	30.4	30.4	30.5	31.1
26.8		28.4		30.8	30.8	31.1			31.2	31.8
	28.2		29.3				31.1	31.1		
27.8	29.2	29.5	30.4	32.0	32.0	32.4	32.4	32.4	32.5	33.1
30.9	32.4	32.7	33.7	35 • 3	35.3	35.7	35.7	35.7	35.8	36.4
31.7	33.2	33.7	34.6	36.3	36.3	36.6	36 • 6	36.6	36.7	37.3
35.7	37.2	37.7	38.6	40.3	40.3	40.6	40.6	40.6		41.3
37 • 2	38.8	39.3	40.3	41.9	41.9	42.3	42.3	42.3	42.4	43.0
										43.7
37.9	39.6	40.0	41.0	42.6	42.6	43.0	43.0	43.0	43.1	42 • 1
46.5	42.8	43.4	44.4	46.1	46.1	46 • 5	46.5	46.5	46.6	47.2
42.6	45.0	45.5	46.5	48.2	48.2	48.6	48.6	48.6	48.7	49.3
46.5	48.8	49.5	50.5	52.2	52.2	52.6	52.6	52.6	52.7	53.3
49.8	52 • 1	52 • 8	53.8	55.5	55.5	55.9	55.9	55.9	56.0	56.6
•	58.9	59.9				63.0	63.0	63.0	63.1	63.7
56.6	28.9	37.7	60.9	62.7	62.7	03.0	03.0	63.0	03+1	63.1
59.4	61.9	62.8	63.8	65.6	65.6	66.0	66.0	66.0	66.1	66.7
65.5	68.1	69.1	70.2	71.9	71.9	72.3	72.3	72.3	72.4	73.0
67.4	70.0	71.0	72.1	73.8	73.8	74.2	74.2	74.2	74.3	74.9
70.8	73.7	74.9	76.1	77 • 8	77.8	78.2	78.2	78.2	78.3	78.9
74.1	77.6	78.8	80.0	81.8	81.8	82.2	82.2	82.2	82.3	82.9
14+1	11.0	10.0	80.0	01.0	01.0	82.2	84•4	04.4	02.3	04.7
76.6	80.5	82.2	84.0	85.8	85.8	86.2	86.2	86.2	86.3	86.9
77 • 8	81.9		85.9	87.7	87.7	88.0	88.0	88.0	88.1	88.7
78.9	83.1		87.4	89.2	89.2	89.6	89.6	89.6	89.7	90.3
86.9	85.1	87.1				91.8	91.8	91.8	91.9	92.5
				93.9		94.4	94.4			
82.3	86.9	89.0	92.1	93.9	94.0	94.4	94.4	94.4	94.5	95.1
82.5	87.4	89.8	93.0	94.8	95.0	95.3	95.3	95.3	95.4	96.D
83.1	88.3	90.8	94.2	96.2	96.5	97.2	97.2	97.2	97.3	97.9
ម3.1	88.5	91.3	94.8	96.8	97.9	98.7	98.7	98.7	98.9	99.6
83.1	88.5	91 • 3	94.8	96.8	97.9	98.7		98.7	99.1	99.8
83.1	88.5		-	96.8	97.9	98.7		98.7		100.0
				-		_				
					97.9					

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

									••••	
	LING							VISIBILI		
I		GT	GE	GE	GΕ	GE			GE	GE
FE	•	160	90	ទី០	60		40	32	24	20
	-									
• • •					, , , , , ,					
NC	CEIL	. 9	16.2	16.8	18.4	19.6	19.7	20.1	20.3	20.3
6 E	200001	1.7	23.7	24.7	26 • 4	27.9	28.0	28.3	28.6	28.6
	18000	1.7	23.7	24.7	26 • 4	27.9	28. Ö	28.3	28.6	28.6
	16000	1.7	23.7	24.7	26.4	27.9	28.0	28.3	28.6	28.6
	140001	1.7	24.0	24.9	26.7	28.1	28.2	28.6	28.8	28.8
	12000	1.8	24.9	25.9	27.6	29.0	29.2	29.5	29.8	29.8
6 E	10000	2.0	26.9	27.9	29.6	31.2	31.3	31.8	32.0	32.0
GE	9000	2.1	28.2	29.2	30.9	32 • 5	32.6	33.1	33.3	33.3
GE	10008	2.1	30.2	31.2	33.1	34.6	34.7	35.2	35.4	35.4
ΰE	7000	2.1	31.8	32.7	34.9	36.5	36.6	37.1	37.3	37.3
GE	10000	2.2	32.2	33.2	35.4	37.0	37.1	37.8	38.0	38.0
	60001		~2,72			-,				
GE	5000]	3.9	36.1	37.2	39.4	41.2	41.6	42.3	42.5	42.5
GE	4500	3.1	38.7	39.9	42.1	43.9	44.3	45.0	45.2	45.2
GE	40001	3.8	44.4	45.7	47.9	49.7	50. ĭ	50.8	51.0	51.0
GE	35001	4.5	49.2	50.5	53.1	54.9	55.3	56.0	56.2	56.2
GE	3000	4.6	56 • 6	57.9	61.5	63.8	64.1	65.1	65.3	65.3
0.	30001		56 • €	31.7	02.75	3.00	2 / 7 2	4011		
C E	2500	5.3	60.6	61.9	65.9	68.2	68.6	69.5	69.8	69.8
GΕ	2000	5.5	66.7	68.2	72.6	75.Î	75.4	76.6	76.9	77.0
GE	1800	5.8	68.4	69.9	74.4	76.9	77.2	78.5	78.7	78.9
GΕ	1500	6.3	73.2	75.1	80.2	83.1	83.5	84.9	85.1	85.2
GE	1260	6.8	75.1	77.1	83.6	86 • 8	87.6	89.8	90.1	90.4
		•••			.5.0	0,5.0	• • • •			
6 E	10001	7.1	76.4	78.5	85.2	88.5	89.4	92.3	92.9	93.5
GE	900	7.1	77.0	79.2	86.1	89.4	90.3	93.4	94.1	94.8
GE	E 00	7.1	77.3	79.8	86.8	90.2	91.1	94.3	95.0	95.9
GE	760	7.1	77.9	80.8	88 • 0	91.7	92.7	96.1	96.8	97.8
GΕ	600	7.1	78.3	81.1	88.3	92.1	93.0	96.6	97.6	98.6
	000,			0			. 3	,,,,,	,,,,	
GΕ	500	7.1	78.3	81.1	88.3	92.1	93.0	96.6	97.8	98.7
ĞĒ	400	7.1	78.3	81.1	88.4		93.3	96.9		99.2
GE	300	7.1	78.3		88.4			96.9	98.2	99.2
GE	200	7.1	78.3	-	88.4			96.9	98.2	99.2
GE	100	7.1	78.3		88.4			96.9		
		- <del>-</del>						•		
GE	0 [	7.1	78.3	81.1	88.4	92.2	93.3	96.9	98.2	99.2
									• • • • • •	

# REQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

		ITY IN F		OF MET		65	c	ce	C E	GE	
	GE	GE	GE	GE	GE	GE	GE	GE	GE "		
C	32	24	20	16	12	10	8	5	4	0	1
			• • • • • • •	• • • • • •			• • • • • • •	• • • • • • •			
. 7	20.1	20.3	20.3	20 • 5	20.5	20.5	20.5	20.5	20.5	20.5	
٥	28.3	28.6	28.6	28 • 8	28.8	28.8	28.8	28.8	28.8	28.8	
. Ğ	28.3	28.6	28.6	28.8	28.8	28.8	28.8	28.8	28.8	28.8	
• G	28.3	28.6	28.6	28.8	28.8	28.8	28.8	28.8	28.8	28.8	
. 2	28.6	28.8	28.g	29.0	29.0	29.0	29.0	29 • n	29.0	29.0	
. 2	29.5	29.8	29.8	30.0	30.0	30.0	30.0	30.Õ	30.0	30.0	
• 3	31.8	32.0	32.0	32.2	32.2	32.2	32.2	32.2	32.2	32.2	
. 6	33.1	33.3	33.3	33.5	33.5	33.5	33.5	33.5	33.5	33.5	
.7	35.2	35.4	35.4	35.8	35.9	35.9	35.9	35.9	35.9	35.9	
. 6	37.1	37.3	37.3	37.7	37 • 8	37.8	37.8	37.8	37.8	37.8	
• 1	37.8	38.0	38.C	38.4	38.5	38.5	38.5	38 • 5	38.5	38.5	
. 6	42.3	42.5	42.5	42.9	43.0	43.0	43.O	43.0	43.0	43.0	
• 3	45.0	45.2	45.2	45.6	45.7	45.7	45.7	45.7	45.7	45.7	
• 3 • 1	50.8	51.0	51.0	51.4	51.5	51.5	51.5	51.5	51.5	51.5	
7	56.0	56.2	56.2	56.6	56.7	56.7	56 • 7	56.7	56.7	56.7	
• 3 • 1	65.1	65.3	65.3	65.6	65.8	65.8	65.9	65.9	65.9	65.9	
• 6	69.5	69.8	69.8	70.1	70.2	70.2	70.4	70.4	70.4	70.4	
. U	76.6	76.9	77.0	77.3	77.4	77.4	77.6	77.6	77.6	77.6	
• 4 • 2	78.5	78.7	78.9	79.2	79.3	79.3	79.5	79.5	79.5	79.5	
. 5	84.9	85.1	85.2	85.6	85.7	85.7	85.8	85.8	85.8	85.8	
.6	89.8	90.1	90.4	9g•8	90.9	90.9	91.0	91.0	91.0	91.0	
. 4	92.3	92.9	93.5	93.9	94.0	94.0	94.1	94.1	94.1	94.1	
• 3	93.4	94.1	94.8	95.2	95.3	95.3	95.4	95.4	95.4	95.4	
	94.3	95.0	95.9	96.2	96.3	96.3	96.5	96.5	96.5	96.5	
• 1			97.8	98.1	98.2	98.2	98.3		•	98.3	
. 7	96 • 1 96 • 6	96.8 97.6	98.6	98.9	99.1	99.1	99.2	99.2	99.2	99.2	
. G	96.6	97.8	98.7	99.2	99.3	99.3	99.4	99.4	99.4	99.4	
3.3	96.9	98.2	99.2	99.6	99.9	99.9	100.0	100.0	100.0	100.0	
• 3	96.9	98.2	99.2	99.6	99.9	99.9	100.0	100.0	100.0	100.0	
• J		98.2	99.2	99.6	99.9	99.9	100.0	100.0	100.0	100.0	
• 3	96.9 96.9	98.2	99.2	99.6	99.9	99.9	100.0	100.0	100.0	100.0	
3 . 3	96.9	98.2	99•2	99•6	99.9	99.9	100.0	100.0	100.0	100.0	

()

U

STATION NUMBER: 036448 STATION NAME: RAF FAIRFORD UK

I FE	ET İ		GE 90	80	GE 60	GE 48	6E 4 O	32	ITY IN GE 24	HUNDR GE 2
	CEIL	1.4	20.3	20.8	22.8	23.2	23.2	23.3	23.3	23.
G E G E G E	20000  18000  16000  14000	2.0 2.0 2.0 2.4 2.5	27.2 27.3 27.3 27.8 28.7	27.8 27.9 27.9 28.3 29.5	30.5 30.6 30.6 31.2 32.4	30.9 31.0 31.0 31.6 32.8	30.9 31.0 31.0 31.6	31.0 31.1 31.1 31.7 32.9	31.0 31.1 31.1 31.7 32.9	31. 31. 31.
GE	10000   9000   8000   7000   6000	2.9 2.9 3.0 3.0 3.1	31.6 32.2 34.8 36.5 37.6	32.4 33.0 35.6 37.4 38.6	35.4 36.1 39.5 41.5 42.7	35.8 36.5 39.8 42.0 43.2	35.8 36.5 39.8 42.0 43.2	35.9 36.6 40.0 42.1 43.3	35.9 36.6 40.0 42.1 43.3	35. 36. 40. 42. 43.
6 E 6 E 6 E	5000  4500  4000  3500  3000	3.3 4.2 4.3 4.5 5.0	42.2 47.6 52.3 56.1 63.3	43.5 49.0 53.7 57.5 65.6	47.8 53.3 58.ú 62.1 70.5	48.7 54.5 59.2 63.3 72.1	48.7 54.5 59.3 63.4 72.4	48.8 54.7 59.4 63.5 72.5	48.8 54.7 59.4 63.5 72.5	48. 54. 59. 63. 72.
G E G E G E	25 00   200 <sub>0</sub>   18 00   15 00   12 00	5.1 5.9 6.3 6.7 6.9	65.6 70.1 71.2 74.3 76.3	68.1 73.0 74.2 77.5 80.0	73.2 79.4 86.9 84.7 88.0	74.9 81.2 82.8 87.0 90.7	75.2 81.6 83.3 87.7 91.5	75.4 82.2 83.9 88.3 92.7	75.4 82.3 84.0 88.5 93.4	75. 82. 84. 88. 93.
G E G E G E	1900   900   800   700   600	7.2 7.2 7.2 7.2 7.2	77.5 77.9 78.5 78.5 78.6	81.5 81.9 82.7 82.7 82.8	89.6 90.1 91.0 91.5 91.7	92.3 92.8 93.8 94.3 94.5	93.2 93.7 94.6 95.2 95.5	94.9 95.8 96.4	95.3 95.8 96.9 97.5 98.0	96. 97.
0 E 6 E 6 E	500   400   300   200   100	7.2 7.2 7.2 7.2 7.2	78.6 78.6 78.6 78.6 78.6	82.8 82.8 82.8 82.8	91.9 91.9 91.9 91.9 91.9	94.6 94.7 94.7 94.7 94.7	95.6 95.7 95.7 95.7 95.7	97.1 97.4 97.4 97.4 97.4	98.2 98.4 98.4 98.4 98.4	98. 99. 99. 99.
GE	0 [	7.2	78.6	82.8	91.9	94.7	95.7	97.4	98.4	99.

### FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM FOURLY OBSERVATIONS

	1	VISIBIL:										
	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	
	40	32	24	20			10	8	5	4	0	
		• • • • • • •						• • • • • •	• • • • • •	• • • • • •	• • • • • • • • •	•
	23.2	22.2	27 7	27 -	27 7	23.3	23.3	23.3	23.3	23.3	23.3	
•	23.2	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	
	3L.9	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	
	71.0	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	
	31.0	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	
	31.6	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	
	32.8	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	
	35.8	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	
		36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	
	36 • 5 39 • 8			40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	
		40.0	40.0	42.2		42.2	42.2	42.2	42.2	42.2	42.2	
	42.0 43.2	42.1 43.3	42.1 43.3	42.4	42.2 43.4	42.2	43.4	43.4	43.4	43.4	43.4	
	43.2	43.3	43.3	47.4	7,17	75.7	7507	15•4	4047	4304	,,,,,,	
	48.7	48.8	48.8	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	
	54.5	54 • 7	54.7	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	
	55.3	59.4	59.4	59.6	59 • 6	59•6	59.6	59.6	59.6	59.6	59.6	
	63.4	63.5	63.5	63.6	63.6	63.6	63.6	63 • 6	63.6	63.6	63.6	
	72.4	72.5	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	
											25.5	
	75.2	75.4	75.4	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	
	81.6	82.2	82.3	82.4	82.7	82.7	82.7	82.7	82.7	82.7	82.7	
	83.3	83.9	84.0	84.2	84.4	8 y • y	84 • 4	84.4	84.4	84.4	84.4	
	87.7	88.3	88.5	88.8	89.1	89.1	89.1	89.1	89 • 1	89.1	89.1	
	91.5	92.7	93.4	93.9	94.3	94.3	94.3	94.3	94.3	94.3	94.3	
	93.2	94.4	95.3	95.9	96.5	96.7	96.7	96.7	96.7	96.7	96.7	
	33.7	94.9	95.8	96.4	97.0	97.1	97.1	97.1	97.1	97.1	97.1	
	94.6	95.8	96.9	97.5	98.1	98.2	98.2	98.2	98 • 2	98.2	98.2	
l	15.2	96.4	97.5	98.1	98.7	98.9	98.9	98.9	98.9	98.9	98.9	
	y5·5	96.9	98.0	98.6	99.2	99.4	99.4	99.5	99.5	99.5	99.5	
								22.2	00.0	00.0	00.0	
	≎5.6	97.1	98.2	98.8	99.4	99•6	99 • 6	99.8	99.8	99.8	99.8	
	95.7	97.4	98.4	99.0	99.6	99.9	99.9	100.0	100.0	100.0	100.0	
	75.7	97.4	98.4	99.0	99.6	99.9	99.9	100.0	100.0	100.0	100.0	
1	95.7	97.4	98.4	99.0	99.6	99.9	99.9	100.0	100.0	100.0	100.0	
	45.7	97.4	98.4	99.0	99.6	99.9	999	100.0	100.0	100.0	100.0	
	95.7	97.4	98.4	99.0	99.6	99.9	99•9	100.0	100.0	100.0	100.0	
												•

0

USAFETAC AIR WEATHER SERVICE/MAC

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBS

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CE	LING		• • • • • • •	• • • • •	••••••	• • • • • •		/ISIBIL:		
1	[N [	GΤ	GE	GE	GE	GE	GE	GE	GE	G
FE	ECT	160	90	30	60	48	40	32	24	_
• • •	******	• • • • •		• • • • • •	• • • • • •	• • • • • • •				• • • •
NC	CEIL	<u>.</u> 4	31.7	31.7	33.8	34.8	35.2	35.9	36.3	36
ĞΕ	200001	1.0	38.1	38.6	41.4	42.5	42.9	43.6	44.0	44
	13000	1.0	38.3	38.7	41.5	42.6	43.1	43.8	44.2	44
	16880	1.0	78.3	34.7	41.5	42.6	43.1	43.8	44.2	44
	140001	1.0	38.3	3É.7	41.5	42.6	43.1	43.8	44.2	44
GΕ	120001	1.1	38.6	39.1	41.9	43.1	43.5	44 • 2	44.6	44
GE	100001	1.1	41.5	42.1	44.9	46.0	46.4	47.1	47.5	47
G E	9coel	1.1	42.1	42.6	45.4	46.6	47.0	47.7	48.1	48
GE	80001	1.1	45.6	46.3	49.1	50.2	50.6	51.3	51.8	51
G E	7000	1.1	46.6	47.3	50.1	51.6	52.0	53.0	53.4	53
6 E	60001	1.1	48.2	48.9	51.8	53.6	54.0	55.0	55.4	55
GΕ	50001	1.1	52.3	53.0	56 • 8	58.6	59• G	60.2	60.6	6 C
υE	45001	1.1	55.1	56.0	59 • 7	61.9	62.3	63.4	63.8	64
GE	40001	1.1	58.5	59.3	63.1	65.2	65.6	66 • 8	67.2	67
GE	3500	1.1	62.8	64.0	68.U	70.Ì	70. Š	71.7	72.1	72
úΕ	3000	1.1	67.2	68.3	73.4	75.7	76.2	77.3	77.7	77
GE	25 60 [	1 • 1	69.0	70.3	75.7	78 • 1	78.5	79.7	80.1	8 C
GΕ	2060	1.1	72.5	73.8	79.8	82.3	82.7	83.9	84.3	84
6 E	1800	1.1	73.1	74.3	80.4	83.0	83.5	84.6	85.1	g 5
G E	1500	1.1	74.2	75.5	81.5	84.2	84.6	86.1	87 1	87
6 E	1200	1.3	75.6	77.3	83.6	86.3	86.7	88.2	89.5	85
GE	1000]	1.4	77.1	79.1	85 • 8	88 • 6	89.1	90.6	91.9	92
ь́Е	900	1.4	77.4	79.4	86.1	88.9	89.3	90.9	92.1	92
GE	8001	1 • 4	77.8	79.9	86.8	89.8	90.2	91.7	93.3	93
GE	700	1 • 4	79.0	81.8	89.1	92.0	92.4	94.0	95.5	95
G E	6001	1.4	79.0	81.9	89.5	92.4	93.0	94.5	96.1	9€
GE	500]	1.4		82.0	89.6	93.1	93.7	95.2	96.9	97
G E	400 [	1.4	7.9.4	82.3	89.9	93.4	94. C	95.5	97.2	97
GE	300 [	1.4	79.4	82.3	89.9	93.4	94.0	95.5	97.3	97
GE	200	1 • 4		82.3	89.9	93.4	94.0	95.5	97.3	97
GE	100	1.4	79.4	82.3	89.9	93.4	94 • U	95.5	97.3	97
GE	o I	1.4	79.4	82.3	89.9	93.4	94.0	95.5	97.3	9 -
		• • • • •	• • • • • •	• • • • • •	• • • • • •	• • • • • • •	• • • • • •		• • • • • •	<b>7</b> ·

TOTAL NUMBER OF OBSERVATIONS: 713

1 (

(

#### QUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

١		NI YT	HUNDREDS	OF ME	TERS					
	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
	32	24	20	16	12	10	8	5	4	0
		• • • • • •	• • • • • • • •	• • • • • •	• • • • • •	• • • • • •	• • • • • • •	• • • • • •	• • • • • •	• • • • • • • • •
	35.9	36.3	36.5	36.6	36.6	36.6	36.6	36.6	36.6	36 • 6
	43.6	44.0	44.2	44.3	44.3	44.3	44.3	44.3	44.3	44.3
	43.8	44.2	44.3	44.5	44.5	44.5	44 • 5	44.5	44.5	44.5
	43.8	44.2	44.3	44.5	44.5	44.5	44.5	44.5	44.5	44 • 5
	43.8	44.2	44.3	44.5	44.5	44.5	44.5	44.5	44.5	44.5
	44.2	44 • 6	44.7	44.9	44.9	44.9	44.9	44.9	44.9	44.9
	47.1	47.5	47.7	47.8	47.8	47.8	47.8	47.8	47.8	47.8
	47.7	48.1	48.2	48.4	48.4	48.4	48.4	48.4	48.4	48.4
	51.3	51.8	51.9	52.0	52.0	52.0	52.0	52.0	52.0	52.0
	53.0	53.4	53.6	53.9	53.9	53.9	53.9	53.9	53.9	53.9
	55.0	55.4	55.5	55.8	55.8	55.8	55.8	55.8	55.8	55.8
	60.2	60.6	60.7	61.0	61.0	61.0	61.0	61.0	61.0	61.0
	63.4	63.8		64.2	64.2	64.2	64.2	64.2	64.2	64.2
	66 • 8	67.2	67.3	67.6	67.6	67.6	67.6	67.6	67.6	67.6
	71.7	72.1		72.5	72.5	72.5	72.5	72.5	72.5	72.5
	77.3	77.7	77.8	78.1	78.1	78.1	78.1	78.1	78.1	78.1
	79.7	80.1	80.4	80.6	80.6	80.6	80.6	80.6	80.6	80.6
	83.9	84.3		85.0	85.0	85.0	85.0	85.0	85.O	85.0
	84.6	85.1	85.6	85.8	85.8	85.8	85.8	85.8	85.8	85.8
	86.1	87.1	87.5	88.2	88.2	88.2	88.2	88.2	88.2	88.2
	88.2	89.5	89.9	90.7	90.7	90.7	90.7	90.7	90.7	90.7
	99.6	91.9	92.3	93.1	93.1	93.1	93.1	93.1	93.1	93.1
	90.9	92.1	92.6	93.4	93.4	93.4	93.4	93.4	93.4	93.4
	91.7	93.3			94.5					
	94.0	95.5			96.9	96.9	96.9	96.9		96.9
	94.5	96.1	96.6	97.9	98.0	98.0	98.2	98.2	98.2	98.2
	95.2	96•9	97.5	99.0	99.2	99.2	99.6	99.6	99.6	99.6
	95.5	97.2	97.8	99.3	99.4	99.4	99.9	99.9	99.9	99.9
	95.5	97.3		99.4	99.6	99.6	100.0	100/+0	100.0	100.0
	95.5	97.3		99.4	99.6	99.6	100.0	100.0	100.0	100.0
	95.5	97.3		99.4	99.6	99.6	100.0	100.0	100.0	100.0
	95.5	97.3	97•9	99.4	99.6	99.6	100.0	1 nn • n	100.0	100.0

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSE

AIR WEATHER SERVICE/MAC

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEI	 ILING	• • • • •	• • • • • • •	• • • • • •	•••••		• • • • • •	NTCTOT!		
	EN I	GT	GE	GE	GE	GE	GE	VISIBIL		
	ET	160	90	80	60	48	40	G E 32	GE	GE
							4 0	٠٠٠٠٠٠	24	2
		••••	••••	• • • • • •		• • • • • • •	• • • • • • •	•••••	• • • • • • •	• • • • •
NO	CEIL	• 2	37.2	38.0	39.5	41.1	41.1	42.3	42.9	42.
G E	200001	• 3	41.0	41.9	43.7	45.3	45,5	46.8	47.4	11.7
5 E	180001	• 3	41.0	41.9	43.7	45.3	45.5	46.8	47.4	47. 47.
	160001	. 3	41.0	41.9	43.7	45.3	45.5	46.8	47.4	47.
	140001	• 3	41.0	41.9	43.7	45.3	45.5	46.8	47.4	47.
ű E	120001	• 3	41.1	42.0	43.8	45.5	45.6	47.0	47.6	47.
	150001	_							40	77.
6 E	10000	• 3	42.3	43.2	45.0	46.7	46.8	48.2	48.8	48.
GE	90001	• 3	42.6	43.5	45.3	47.0	47.1	48.5	49.1	49.
GE	80001	• 3	45.5	46.4	48.2	49.8	50.0	51.7	52.3	52.
G C	70001	• 3	45.9	46.8	48.6	50.6	5 <sub>0</sub> .8	52.4	53.0	53.
GE	60001	. 5	48.O	48.9	50.9	52.9	53.0	54.7	55,3	55.
, · ·	55.01								•	
6 E	50001	• 6	52.0	52.9	55.0	56.9	57.2	59.0	59.6	59.
6 E	45.00	. 6	54 • 5	55.4	57.5	59.5	59.8	61.7	62.3	62.
GE	4000	• 6	58.7	59.6	62.U	64.1	64 • 4	66.4	67.0	67.
ьE	35 00	• 8	67.4	64.3	66.7	68.8	69.2	71.2	71.8	71.
űE	30001	• 8	67 <b>.</b> C	63.6	71.6	74.0	74.5	76.4	77.0	77.
r <b>c</b>	25 001		5							
G E	25 30	. 8	68.3	69.4	72.5	74.9	75.4	77.3	77.9	78.
GE	2000  1800	• 9	72.2	73.3	76.6	79.0	79.4	81.4	82.0	82.
G E	1500	• 9	73.0	74.0	77.3	79.7	80.2	82.1	82.7	82.
G E	1200	.9	73.9	74.9	78.8	81.2	81.7	83.9	84.5	84.
u .	1200	1.1	76.0	77.3	81.5	83.9	84.5	86.8	88.3	88.4
GE	1000	1.1	77.6	79.0	67 7	0.C =	A			
GΕ	900	1.1	78.1	79.6	83.3	85.7	86.3	88.6	90.1	90.7
GE	0038	1.1	79.1	80.6	84.1 85.3	86.8	87.4	89.8	91.3	91.4
GE	700	1.1	30.2	82.4	87.5	88.0	88.6	91.6	92.5	92•6
GE	600	1.1	80.6	82.9	88,1	90.5	91.1	93.7	95.2	95.
			00,0	02.47	00 n 1	91.1	91.7	94.3	95.8	95.5
GE	5001	1.1	8.03	83.2	88.6	91.9	92.5	95.3	96.8	97.1
GE	4501	1.2	80.9	83.3	88.9	92.3	92.9	96.1	97.7	97.5
GE	3001	1,2	80.9	83.3	88 • 9	92.5	93.1		98.0	98.2
G.E	2001	1.2	80.9	83.3		92.5	93.1		98.0	98.2
GE	1001	1.2	80.9	83.3	88.5	92.5	93.1		98.0	98.2
	- •					•	,		7 0	, O • t
GE	0	1.2	9.09	83.3	88.9	92.5	93.1	96.2	98.0	98.2

# FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

(RF OR	D UK				PERIOD MONTH:		RD: 75- HOURS(	-76,81-8 (LST): 2		00	
••••	* * * * * * * * * * * * * * * * * * *	TTV TN	HUNDREDS	OF ME			• • • • • •			• • • • • • • • • • •	
GE.	GE	GE GE	GE	GE	GE	GE	GE	GΕ	GE	GE	
4 C	32	24	20	16	12	10	8	5	4	0	٠,
76		47		• • • • • •			• • • • • •	• • • • • • •			
									••••		
1.1	42.3	42.9	42.9	43.2	43.2	43.4	43.4	43.5	43.5	43.7	
			_								
5.5	46.8	47.4	47,4	47.7	47 • 7	47.9	47.9	48.0	48.0	48.2	
15.5	46.8	4.7 • 4	47.4	47.7	47.7	47.9	47.9	48.0	48.0	48.2	~ ~
45.5	46.8	47.4	47.4	47.7	47.7	47.9	47.9	48.0	48.0	48 + 2	
15.5	46.8	47.4	47.4	47.7	47.7	47.9	47.9	48.0	48.0	48 • 2	
15.6	47.0	47.6	47.6	47.9	47.9	48.0	48.0	48.2	48.2	48.3	~-
16.8	48.2	48.8	48.8	49.1	49.1	49.2	49.2	49.4	49.4	49.5	
₹ <b>7.1</b>	48.5	49.1	49.1	49.4	49.4	49.5	49.5	49.7	49.7	49.8	
C.0	51.7	52.3	52.4	52.7	52.7	52.9	52.9	53.0	53.0	53.2	-
.c.8	52.4	53.0	53.2	53.5	53.5	53.6	53.6	53.8	53.8	53.9	
53.0	54.7	55,3	55.4	55 • 7	55.7	55.9	55.9	56.0	56 • n	56.2	
		•	- 4	55 1					U		-
7.2	59.0	59.6	59.8	60.5	60.5	60.7	60.7	60 • 8	60.8	61.0	
59.8	61.7	62.3	62.5	63.2	63.2	63.4	63.4	63.5	63.5	63.7	
4.4	66 • 4	67.0	67.1	67.9	67.9	68.0	68.D	68.2	68.2	68.3	
69.2	71.2	71.8	71.9	72.7	72.7	72.8	72.8	73.0	73.0	73.1	
74.5	76.4	77.0	77.2	77.9	77.9	78 • 1	78.1	78.2	78.2	78.4	,
7 C /r	77 7	77 0	70 1	78.8	78.8	79.0	79.0	79.1	79.1	79.3	
75.4	77.3	77.9 82.0	78.1 82.1	82.9	82.9	83.0	83.0	83.2	83.2	83.3	
79.4	81.4			83.6	83.6	83.8	83.8	83.9	83.9	84.1	•
26.2	82.1	82.7	82.9		85.4	85.6	85.6	85.7	85.7	85.9	
1.7	83.9	84.5	84.7 88.4	85.4 89.2	89.2	89,3	89.3	89.5	89.5	89.6	
4.5	86.8	88.3	00.4	07.4	07.4	07,3	07.3	84.2	07.3	07.0	
6.3	88.6	90.1	90.2	91.0	91.0	91.1	91.1	91.3	91.3	91.4	
57.4	89.8	91.3	91.4	92.2	92.2	92.3	92.3	92.5	92.5	92.6	
6.83	91,0	92.5		93.4		93.5	93.5	93.7	93.7	93.8	-
51.1	93.7	95.2	95.3	96.1	96.1	96.2	96.2	96 • 4	96.4	96.5	
91.7	94.3	95.8	95.9	96.7	96.7	96.8	96.8	97.0	97.0	97.1	`.
								00.7	00.7	00 5	
2.5	95.3	96.8	97.0	97.7	98.0	98 + 2	98 • 2	98.3	98.3	98.5	
92.9	96.1	97.7	97.9	98.6	99.2	99.4	99.4	99 • 5	99.5	99.7	-
93.1	96.2	98.0	98.2	98.9	99.5	99.7	99.7	99.8	99.8	100.0	
93.1	96.2	98.0	98•2	98.9	99.5	99.7	99.7	99 • 8	99.8	100.0	_
c3.1	96.2	98.0	98•2	98•9	99.5	99.7	99.7	99•8	99.8	100.0	٠,
93.1	96.2	98.0	98.2	98.9	99,5	99.7	99.7	99•8	99.8	100.0	
								• • • • • • •			j"

I FE	LING N I	GT 160	GE 90	6 E 80	6E 60	GE 48	V GE 4 O	ISIBILI GE 32	TY IN F GE 24	I UN [
-	CEIL	1.8	22.6	23.1	25.0	26.3	26.5	27.3	27.8	28
G E G E G L	200 GO   18000   16000   14000   12000	1.5 1.5 1.5 1.6	27.5 27.5 27.5 27.7 28.3	28.2 28.2 28.2 28.5 29.2	30.5 30.6 30.6 30.9 31.6	32.2 32.2 32.2 32.5 33.3	32.5 32.5 32.6 32.8 33.6	33.5 33.5 33.6 33.8 34.6	34·2 34·2 34·2 34·5 35·3	34 34 34 34 35
G E G E G E G E	10000   9000   8000   7000   6000	1.8 1.8 1.9 1.9	30.3 30.8 33.1 34.1 35.1	31.3 31.8 34.2 35.2 36.3	33.8 34.4 37.0 38.1 39.3	35.5 36.1 38.7 40.0 41.2	35.9 36.5 39.2 40.5 41.7	37.0 37.6 40.4 41.7 43.0	37.7 38.3 41.1 42.4 43.8	38 38 41 42 44
6 E 6 E 6 E	SC 00   45 00   40 00   35 00   30 00	2.3 2.5 2.8 3.0 3.2	38.8 41.3 45.5 49.5 54.7	40.1 42.8 47.1 51.3 56.6	43.4 46.1 50.5 55.0 60.9	45.5 48.4 53.0 57.6 63.8	46.0 48.9 53.6 58.2 64.4	47.5 50.4 55.1 59.6 65.9	48.3 51.2 56.0 60.6 67.0	48 51 56 61 67
6 E 6 E 6 E 6 E	25 00   20 00   18 00   15 00   12 00	3.4 3.8 4.0 4.3 4.6	56.8 61.1 62.0 64.4 66.6	58.8 63.3 64.3 66.8 69.3	63.2 68.2 69.3 72.2 75.3	66.2 71.3 72.5 75.6 78.9	66.8 72.0 73.1 76.3 79.7	68.4 73.7 74.9 78.3 82.0	69.5 74.8 76.1 79.5 83.5	70 75 76 80 84
62 6F 6E 0E	1000   900   800   700   600	4 • 7 4 • 7 4 • 7 4 • 7 4 • 7	68.1 68.7 69.4 70.1 70.5	70.9 71.7 72.5 73.6 74.0	77.2 78.0 79.1 80.6 81.2	81.0 81.9 83.1 84.8 85.5	81.8 82.8 84.1 85.8 86.6	84.3 85.4 86.7 88.7 89.6	86.2 87.4 88.8 90.8 91.9	87 88 89 91
6 E 6 E 6 E 6 E	500   400   300   200   100	4.7 4.7 4.7 4.7 4.7	70.6 70.7 70.7 70.7 70.7	74.1 74.3 74.3 74.3 74.3	81.4 81.9 81.9 81.9 81.9	86.0 86.5 86.6 86.6 86.6	87.1 87.7 87.8 87.8 87.8	90.2 91.0 91.2 91.2 91.2	92.7 93.5 93.9 93.9 93.9	94 95 95 95
G E	01	4.7	70.7	74.3	81.9	86.6	87•8	91.2	93.9	95

TOTAL NUMBER OF OBSERVATIONS: 6279

(

 V I	SI	BTI	LIT	• • • Y T	N	 НП	 N .	REDS	0					• • •	• •	• • •	• • • •	٠	• • •	• • •	• •	• • • • • •	• •	••••••
_		Ε		GE	•	•••		E		E			:	4	GF		ſ.	ìΕ		(	ΞE	GE		GE
		32			4			20		16		1	2				`		8	Ì	5		1	0
•		• •	• • • •	• • •	• •	• •	• •	• • • •	• • •	• • •	• • •	• •	• •	• • •	• •	• • •	•••	•	• • •	• • •	• •	• • • • • •	• •	• • • • • • •
	27	. 3	7	27.	8		28	• 1	28	• 6	2	8.	6	2	8.	8	28	3.	9	29	9.0	29.2	2	29.7
		• 5		340			34	. 5	35	. 1	3	5 .	1	3	5.	3	35	·	4	35	5.5	35.7	•	36.3
		• 5		34.				.6	35	• 1			2	3	5.	4	35		4	35	. 6	35.7	7	36.3
		• 6		34.				. 6	35	. 2	3	5.	2	3	5.	4	35		4	39	· 6	35.7	7	36.3
		. 8		34.				• 9		• 5			5			7	35	•	7	35	. 9	36.0	}	36.6
	34	• 6		35.	3		35	. 7	36	• 3	3	6	3	3	5.	5	36	•	6	36	. 7			37.5
		.0		37.			38			• 7			7	3	з.	9	38		9	39	. 1	39.2	<b>.</b>	39.8
		• 6		88.			38			• 3			4	39			39				. 7			40.5
		. 4		11.				• 5		. 1			2			4	42			42	∴ 6	42.7		43.3
		• 7		12.				• 9		• 5			6	4			43				. 0			44.7
	4 3	•0	L	13.	8	1	44	• 2	44	• 9	4	5.	O	4 !	5.	2	45	•	2	45	• 3	45.5	i	46.1
		.5		8.			48			. 5			6	4			49				.0			50.8
		• 4		1.			51			• 5			6	53			52	-			2.9			53.7
		•		6.			56			• 3			4			6	57				. 7			58.5
		• ប		0.			61			. 8			9	63			62				. 3			63.1
	65	• 9	$\epsilon$	7.	C	(	67	• 5	68	• 3	6	8.	4	68	3 •	6	68	•	7	68	8.8	69.0	}	69.6
		. 4		9.			70			. 8			0	7			71			7	. 4	71.5	;	72.1
		• 7		4.			75			• 3			4	76			76				. 8		)	77.6
		• 9		6.			76			• 5			6	7			77				. 1			78.8
		.3		9.			0 8			• 1			2	8.			81				6			82.4
	82	• 13	8	3.	5	i	84	• 2	85	• 2	8	5•	3	8 5	ā •	5	85	•	6	85	. 8	85.9	)	86.6
		• 3		86.			87			.0			2	88			88				3.6			89.4
		• 4		7.				• 3		• 3							89					90.1		90.7
	-	• 7		.88			89		90		9			9			91				. • 4			92.2
		• 7		0.					93					9			93				5.7			94.5
	89	• 6	5	1.	9	•	93	• 1	94	• 3	9	4.	5	91	₹.	8	9 4	•	9	95	• 0	95.2	?	95.8
		.2		2.			94		95			5.		9			96				. 1			96.9
	-	•0		3.			95		96			6.		91			97			97	• 5	97.7	•	98.3
		•2		3.			95		96			7.		9			98	•	0	98	3 . 3	98.5	,	99.2
		• 2		3.			95		97		9			98			98				. 5		•	99.5
	91	• 2	9	3.	9	(	95	• 6	97	• 1	9	7.	6	98	3 .	0	98	•	2	98	. 6	98.9	)	99•9
	91	.2	9	3.	9	•	95	. 6	97	• 1	9	7.	6	98	3.	1	98	•	3	98	. 6	98.9	<b>,</b>	100.0

 $\overline{O}$ 

O

USAFETAC AIR WEATHER SERVICE/MAC

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF FROM HOURLY OBSERV

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

 C E T	LING	• • • • •	• • • • • •	• • • • • •	• • • • • •				TV Tsi L	
	N	GΤ	GE	GE	GE	GE		/ISIBIL] GE	GE GE	GE GE
	ET [	160	90	80	6Û	48	40	32	24	<u> </u>
										·
NC	CEIL	4 • 6	41.0	42.0	44.5	45.2	46.1	46.4	46.8	47.0
GE	20000]	5.7	44.4	45.6	48.2	48.9	49.9	50.5	50.9	51.1
GE	180001	5.3	44.4	45.6	48.3	49.0	50.1	5g.6	51.0	51.3
GE	16000	5.3	44.4	45.6	48.3	49.0	50.1	50.6	51.0	51.3
GE	140001	5.3	44.4	45.6	48.3	49.0	50.1	58.6	51.0	51.3
	12000	5,5			49.0	49.7	50.7	51.3	51.7	51.9
υL	120001	5,5	44.9	46.1	49.0	47.1	20 • 1	21.3	21 • 1	31.9
ĠΕ	10000	6.2	46.9	43.1	51.3	52.0	53.1	53.6	54.0	54.3
GΕ	9000	6.2	47.2	48.3	51.5	52.3	53.4	53.9	54.3	54 • 6
υE	80001	6.3	50.6	51.8	55.7	56.5	57.6	58.3	58.7	58.9
GE	7000	6.3	51.4	52.6	56.5	57.3	58.4	59.0	59.4	59.7
GE	60001	6.6	53.2	54.7	59.0	60.0	61.2	61.8	62.2	62.5
						Ų		• • • •		
GE	50001	7.0	57.7	59.3	64.2	65.4	66.6	67.2	67.6	67.9
GE	45 00 1	7.3	60.5	62.4	67.4	68.3	7L.U	70.8	71.3	71.6
GE	40001	7.4	62.1	63.9	69.1	70.5	71.7	72.5	73.1	73.3
6 E	35 00	7.5	65.1	67.0	72.1	73.8	75.0	75.8	76.4	76.6
GE	30001	7.7	68.7	70.5	75.8	77.9	79.1	79.9	80.4	80.7
	Ì					• • •		. ,		- '
6E	25001	7.7	69.6	71.6	76.9	79.1	80.3	81.1	81.6	81.9
GE	20001	8.3	73.3	75.8	81.2	83.5	84.7	85.5	86.0	86 • 3
6 E	1800	8.3	73.6	76.1	81.5	83.8	84.9	85.7	86.3	86.5
GE	1500	8.3	75.0	77.5	83.4	85.6	86 • 8	87.6	88.2	88.5
GE	12001	8.5	77 • 1	79.7	05.6	88.0	89.2	90.0	90.9	91.1
								<del>-</del>		
G E	1000	9 • 1	78.7	81.4	87.6	90.0	91.1	91.9	92.9	93.1
G E	d 00 l	9 • 4	79.3	81.9	88.1	90.5	91.7	92.5	93.4	93.7
GE	8 00	9.4	EJ.1	82.8	89.3	91.7	92.9	93.7	94.6	94.8
GE	700	9.4	80.3	83.1	89.7	92.1	93.3	94.1	95.0	95.2
G E	6001	9.4	80.6	83.4	90.1	92.5	93.9	94.8	95.8	96.0
w. •										
ប៊ីដ	500	9.6	8.08	83.6	90.8	93.3	94.7		97.0	97.2
6 E	4001	•		_	90.9	93.5	95.1		97.4	97.6
GE	3 00 [	9.6	8.08		90.9	93.5		96.4		97.6
GE	2 00 1		8.03	83.8	90.9		95.1	96.4	97.4	97.6
GΕ	1001	9.6	80.8	83.8	90.9	93.5	95.1	96.4	97.4	97.6
C E	1	0 /	00 -		00 0	02 F	05 1	07 "	07 "	07 /
GE	ol		•			93.5	95•1	96.4	97.4	97.6
		• • • • •	• • • • • • •	• • • • • •				• • • • • •		• • • • •

•	· · · · · · · · · · · · · · · · · · ·	*****		00 40	•••••	•••••	• • • • • • •	• • • • • •	• • • • • •	• • • • • • • • •
			HUNDREDS							
}	GE	GΕ	GE	GE	GE	GE	GE	GE	GE	GE_
0	32	24	20	16	12	10	8	5	4	0
٠	• • • • • • • •	• • • • • • •	• • • • • • • •	• • • • • •	• • • • • •	• • • • • • •	• • • • • •	• • • • • •	• • • • • •	• • • • • • • • • •
1	46.4	46.8	4.7.0	47.2	47.2	47.2	47.2	4.7 . 3	47.7	47.7
}	,,,,,			,,,,					4101	.,
9	50.5	50.9	51.1	51.5	51.5	51.5	51.5	51.8	52.2	52.2
1	Sn.6	51.0	51.3	51.7	51.7	51.7	517	51.9	52.3	52.3
1	50.6	51.0	51.3	51.7	51.7	51.7	51.7	51.9	52.3	52.3
1	50.6	51.0	51.3	51.7	51.7	51.7	51.7	51.9	52.3	52.3
7	51.3	51.7	51.9	52.3	52.3	52.3	52.3	52.6	53.0	53.0
. 1	53.6	54.0	54.3	54.7	54.7	54.7	54.7	55.0	55.4	55.4
•	53.9	54.3	54.6	55.0	55.0	55.0	55.0	55.2	55.6	55.6
<b>.</b> 6	58.3	58.7	58.9	59.3	59.3	59 • 3	59.3	59.6	60.0	60.0
. 4	59 • g	59.4	59.7	60.1	60.1	60.1	60.1	60.4	60.8	60.8
• 2	61.8	62.2	62.5	62.9	62.9	62.9	62.9	63.1	63.5	63.5
. 6	67.2	67.6	67 • 9	68.6	68.6	68.6	68.6	68.8	69.2	69.2
٠.	70.8	71.3	71.6	72.3	72.3	72.3	72.3	72.5	72.9	72.9
. 7	72.5	73.1	73.3	74.0	74.0	7.4 . 0	74.0	74.2	74 • 6	74.6
. G	75.8	76.4	76.6	77.3	77.3	77.3	77.3	77.5	77.9	77.9
. 1	79.9	80.4	80.7	81.4	81.4	81.4	81.4	81.6	82.0	82.0
• 3										
. 3	81.1	81.6	81.9	82.6	82.6	82.6	82.6	82.8	83.2	83.2
. 7		86.0	86.3	86.9	86.9	86.9	86.9	87.2	87.6	87.6
. 9	85.7	86.3	86.5	87.2	87.2	87.2	87.2	87.5	87.8	87.8
8 •	87.6	88.2	88.5	89.2	89.2	89.2	89.2	89.4	89.8	89.8
. 2	90.0	90.9	91.1	91.8	91.9	91.9	91.9	92.2	92.6	92.6
	01 0	00.0	6.2	07 0	n ti -	0: -		o ~	A 11. A	0.0
. 1	91.9 92.5	92.9	93.1	93.9	94.1	94.2	94 • 2	94.5	94.8	94.8
		93.4	93.7	94.6	94.7	94.8	94.8	95.2	95•6	95.6
. 5	93.7	94.6	94.8	95.8	95.9	96.0	96.0			-
• 3	94.1	95.0	95.2	96.2		96.4	96.4	96.8	97.2	97.2
• 9	94.8	95.8	96.0	97.0	97 • 1	97.2	97.2	97.6	98.0	98.0
. 7	96.D	97.0	97.2	00 2	00 7	00 0	00 4	0	00.3	00.2
. 1	96.4			98.•2	98.3	98.4	98 • 4	98•8	99.2	99.2
		97.4	97.6	98.5	98.7	98.8	98.8	99.2	99,6	99.6
. 1	96.4	97.4	97.6	98.5	98.7	98.8	98.8	99.2	99.6	99.6
• 1	96.4	97.4	97.6	98.5	98.7	98 • 8	98 • 8	99.2	99.9	99.9
• 1	96.4	97.4	97.6	98.5	98.7	98.8	98 • 8	99.2	99.9	99•9
• 1	96.4	97.4	07 4	00 5	00 7	00 0	00 0	00.0	400 0	100 0
• 1	70 44	71+4	97.6	98.5	98.7	98.8		99.2		100.0

0

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSE

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

	LING		•••••			• • • • • •		VISIBILI		
Ii		GT	GE	GE	GΕ	GE	GE	GE	GE	Gl
FE		160	90	80		48	40	32	24	ć
• • •	• • • • • • •	• • • • •	• • • • • • •	• • • • • •	• • • • • • •			• • • • • • •	• • • • • • •	• • • •
ti C i	CEIL	3.3	30.4	32.0	33.9	35.7	36.1	36.8	37.6	37
14.0	CLIL I	J • J	38.4	32.0	33.7	3341	30.1	50.0	0,10	• •
	20000	4.1	34.0	35.7	38 • 1	40.2	40.7	41.8	42.7	42
	18000	4.1	34.1	35 • 8	38 • 2	40.3	40.9	41.9	42.9	43
	16000	4.1	34.1	35.8	38 • 2	40.3	40.9	41.9	42.9	43.
	14000	4.1	34.1	35.8	38 . 2	40.3	40.9	41.9	42.9	43
GE.	120001	4.1	34.5	36.2	38.8	40.9	41.4	42.5	43.4	43.
G E	10000	4.6	36.9	3მ∙ხ	41.5	43.7	44.2	45.4	46.4	46
G E	90001	4.9	37.2	38.9	41.9	44.0	44 • 6	45.8	46.8	47
GE	80001	4.9	39.2	41.3	44° 6	47.0	47.5	48.7	49.7	49
GE	70001	4.9	39.9	42.2	45.5	47.9	48 • 4	49.6	50.7	50
ĠΕ	60001	5.0	41.0	43.3	47.0	49.6	50.1	51.5	52.5	52
G E	50001	5.0	44.8	47.4	51.5	54.6	55•2	56.7	57.8	57
GΕ	4500	5.3	47.5	50.1	54.5	57.7	58.3	60.1	61.2	61
GE	4000	5.6	50.3	52.9	57.9	61.1	61.8	63.6	64.8	64
ΘĒ	35001	5.7	51.9	54.5	59.5	62.7	63.5	65.5	66.7	66
GE	3000	5.8	54.8	57.7	62.7	65.9	66.9	68.9	70•4	70
G E	25001	5.8	56.5	59.4	64.4	67.6	68.7	70.8	72.2	72
GE	2000	6.2	61.0	64.2	69 • 2	72.4	73.4	75.5	77.0	77
υE	1800	6.2	62.0	65.2	70.2	73.5	74 • 6	76.7	78.2	78
GE	15001	6.2	64.2	67.3	72.4	75.7	76.7	79.0	80.7	81
GE	12001	6.9	66.4	69.6	74.9	78.3	79.4	81.6	83.6	83
GE	10001	7.0	68.0	71.3	77.1	80.6	81.6	83.9	86.0	86
GE	900	7.0	69.0	72.5	78.3	81.7	82 • 8	85.2	87.3	87
GE	8 00 1	7.1	69.8	73.3	79.4	82.9	84.1	86.9	89.0	89
GE	700	7.3	7g.6	74.1	80.6	84.4	85.6	88.6	90.7	91
GE	600	7.3	70.8	74.2	81.1	85.1	86.2	89.3	91.4	92
	0.72,	. • •	,		V 2 - 1					
GΕ	5001	7.3	71.0	74.5		86.0	87 • 2		92.5	93
GE	400	7.3	71.3	74.7	81.9	86.8	0.68	91.3	93.4	94
GE	300	7.3	71.3	74.7	81.9	86.9	88.1	91.4	93.7	94
GΕ	200 [	7.3		74.7		86.9	88.1	91.4	93.7	94
GE	1001	7.3	71.3	74.7	81.9	86.9	98.1	91.4	93.7	94
GE	01	7.3	71.3	74.7	81.9	86.9	88.1	91.4	93.7	94
				• • • • •	• • • • • •	• • • • • •	• • • • • •	• • • • • •	• • • • • •	• • • •

		LITY IN				• • • • • • •	• • • • • •	• • • • • • •	• • • • • •	• • • • • • • • • • • •	
	ŝΕ	GE	GE	GE	GE	GE	GE	GE	GE	GE	
	32	24	20	16	12	10	8	5	4	0	
• • • •	• • •	• • • • • • • •	• • • • • • •	• • • • • •	• • • • • •	• • • • • •	• • • • • •	• • • • • •	• • • • • •		
30	8.8	37.6	37.6	37.7	37.8	38.5	38.6	38 • 6	38.9	40 • 1	
	. 8	42.7	42.9	43.0	43.1	43.9	44.0	44.0	44.3	45.5	
	• 9	42.9	43.0	43.1	43.3	44.0	44.2	44.2	44.4		
	• 9	42.9	43.0	43.1	43.3	44.0	44.2	44.2	44.4		
	• 9	•	43.0	43.1	43.3	44.0	44.2	44.2	44.4		
4 2	.5	43.4	43.5	43.7	43.8	44 • 6	44.7	44.7	45.0	46.2	
	.4	46.4	46.6	46.8	47.0	47.8	47.9	47.9	48.1		
	8 •	46.8	47.0	47.2	47.4	48.1	48.3	48.3	48.5	49.7	
	7	49.7	49.9	50.1	50.3	51.1	51.2	51.2	51.6	52.8	
	• 6	50.7	50.8	51.1	5,1 • 2	52.0	52.1	52 • 1	52.5		
5 1	• 5	52.5	52.6	52.9	53.0	53.8	54.0	54 • 0	54.4	5 S • 6	
	• 7	57.8	57.9	58.2	58.3	59.1	59.3	59.3	59.8		
	• 1	61.2	61.4	61.6	61.8	62.6	62.7	62.7	63.2		
	• 6	64.8	64.9	65.2	65.3	66 • 1	66.3	66.3	66.8	68 <b>.</b> 0	
	• 5	66.7	66.48	67.1	67.2	68.D	68.1	68 • 1	68.7		
6.8	• 9	7-0 • 4	70.5	70.9	71.0	71.8	72.0	72.0	72.5	73.7	
	8 •	72.2	72.4	72.9	73.0	73.8	73.9	73.9	74.5	75.7	
	• 5	77.0	77.2	77 • 8	77.9	78.7	78.8	78.8	79.4		
	• 7	78.2	78.4	79.0	79.1	79.9	0.08	80.0	80.6	81.7	
	• 0	80.7	81.0	81.5	81.7	82.5	82.7	82.7	83.2	84 • 4	
81	• 6	83.6	83.9	84.5	84.8	85.6	85.7	85.7	86.2	87.4	
	.9		86.4	87.4	87.7	88.5	88.6	88.6	89.2		
	• 2	87.3	87.7	88.8	89.0	89 • 8	89.9	89.9	90.5	91.7	
	. 9	89.0	89.4	90.5	90.7	91.5	91.7	91.7	92.2	93.4	
	• 6	90.7	91.3	92.3	92.6	93.4	93.5	93.5	94.0	95.2	
89	• 3	91.4	92 • 1	93.1	93.4	94.2	94.3	94.3	94.8	96.0	
	. 3	92.5	93.1	94.2	94.4	95.2	95.4	95.4	95.9	97.1	
	• 3	93.4	94.0	95.1	95.4	96.2	96.3	96 • 3.	96.8	98.0	
	• 4	93.7	94.3	95.4	95.6	96.4	96.7	96.7	97.4	98.5	
	• 4	93.7	94.3	95.4	95.6	96.4	96.7	97.0	97.8	99.3	
9 1	• 4	93.7	94.4	95.6	95.9	96.7	97.0	97.4	98.1	99.7	
91	. 4	93.7	94.4	95.6	95.9	96•7	97.0	97.4	98.1	100.0	

O

	LING	• • • • •	• • • • • • •	• • • • •		• • • • • •		ISIBILI		
	N I	GT	GE	GΈ	GE	GE	GE	GE	GE	GE
	ET	160	90	80	60	48	40		24	2:
	-									
• • •		• • • • •	• • • • • • •	• • • • • •	• • • • • • • •					• • • •
N-C	CEIL	3.3	24.3	26.9	27 • 8	29.1	29.3	31.1	31.8	33.
G E	200001	3.6	27.8	29.9	32.0	34.0	34.4	36.4	37.3	38.!
	18000	3.6	27.8	29.9	32.0	34.0	34.4	36.4	37.3	38!
	16000	3.5	27.8	29.9	32.0	34.0	34 • 4	36 • 4	37.3	38
	14000	3.6	28.3	30.4	32.4	34.5	34.9	36.9	37.8	39.1
ÜΕ	12000	3.€	28.7	30.8	32.9	35.0	35.4	37.4	38.3	39•!
GE	100001	3.9	31.1	33.2	35.7	37 • 9	38.4	41.0	41.9	43.1
GΕ	90001	3.9	31.6	33.7	36.2	38.4	38 • 9	41.5	42.4	43.
GE	10098	3.9	33.8	35.8	39.0	41.2	41.6	44.3	45.2	46.1
GE	70001	3.9	34.5	36.6	39.7	42.0	42.5	45.2	46.0	47.
GE	60001	4.1	35.5	37.5	40.9	43.5	43.9	4.7 • 0	47.8	49.
-	0.001		3373		,00,		,			
GE	5000	4.5	38.4	40.7	45.2	48.2	49.3	53.1	54.1	55.
GΕ	45001	4.7	40.2	42.5	47.1	50.2	51.3	55.3	56.3	58.0
GE	40001	4.7	42.9	45.6	50.8	54.1	55.2	59.2	60.2	62.
ΰĒ	35001	4.8	44.4	47.2	52.5	55.9	57.0	61.0	62.1	64.1
GΕ	3000	5.2	47.5	50.2	55.9	59.4	60.7	64.8	65.9	67.
O L	2001	~	41.5	34.5	55.7	37•1	0011	0,10	00.7	0,,
GE	25001	5.3	49.4	52.2	58.i	61.6	63. O	67.1	68.2	70.1
GE	2000	5.7	51.8	55.0	61.5	65.3	66.6	70.7	71.8	73.1
üΕ	18001	5.7	52.4	55.6	62.2	66.0	67.3	71.5	72.6	74.
GE	15 00	6.1	55.3	59.1	66 • 3	70.3	71.7	76 • D	77.1	79.1
GE	1200	6.8	57.4	61.4	69.4	73.6	74.9	79.3	80.4	82.
	27.00	•••	<i>.</i>	• • • •	0,14	,5.0	, ,	.,		
GE	irogi	7.1	59.2	63.3	71.8	76.0	77.4	81.8	83.3	85.!
GE	9001	7.3	59.8	64.0	72.6	77 • 4	78.7	83.3	84.7	86.
6 E	800	7.3	60.0	64.3	73.1	77.8	79.2	84.3	86.0	88.
GE	7001	7.3	6p.4	64.6	73.7	78.5	79.9	85.2	87.0	89.;
6 E	6001	7.4	60.7	64.9	74 • 1	78.8	80.3	85.8	87.7	89.1
GE	500	7.4	61.0	65.4	75 • 1	7-9 • 8	81.2	86.8	88.7	90•4
GE	4001	7.4	61.1	65.6	75.3	80.0	81.5	87.0	89.3	91.
ьE	3001	7.4	61.1	65.6	75.4	80.1	81.6	87.2	89.6	92.
GE	200	7.4	61.1	65.6	75.4	80.3	81.7	87.3	89.7	92.:
GE	100	7.4	61.1	65.6	75.4	80.3	81.7	87.3	89.8	92.1
	_									
GE	01	7.4	61.1	65.6		-				92.1
• • •	•••••	• • • • •			• • • • • •	• • • • • •	• • • • • • •	• • • • • • •	• • • • • •	• • • • •

REQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM FOURLY OBSERVATIONS

VISIBILITY IN HUNDREDS OF METERS  GE
VISIBILITY IN HUNDREDS OF METERS  GE
GE GE GE GE GE GE GE GE GE GE GE GE GE G
40       32       24       20       16       12       10       8       5       4       0         29·3       31·1       31·8       33·1       33·5       33·5       33·8       33·8       33·9       34·6         34·4       36·4       37·3       38·5       39·1       39·1       39·3       39·5       39·7       39·7       40·4         24·4       36·4       37·3       38·5       39·1       39·1       39·3       39·5       39·7       39·7       40·4         34·9       36·9       37·8       39·0       39·7       39·7       40·0       40·1       40·3       40·3       41·0         35·4       37·4       38·3       39·5       40·2       40·2       40·4       40·6       40·8       40·8       41·5         26·4       41·0       41·9       43·2       43·9       43·9       44·2       44·4       44·8       45·3       46·0         41·6       44·3       45·2       46·5       47·9       48·1       48·3       48·5       48·9       49·3       50·1         42·5       45·2       46·0       47·3       48·8       49·0       49·3       49·5
29.3 31.1 31.8 33.1 33.5 33.5 33.8 33.8 33.9 33.9 34.6  34.4 36.4 37.3 38.5 39.1 39.1 39.3 39.5 39.7 39.7 40.4  24.4 36.4 37.3 38.5 39.1 39.1 39.3 39.5 39.7 39.7 40.4  34.4 36.4 37.3 38.5 39.1 39.1 39.3 39.5 39.7 39.7 40.4  34.9 36.9 37.8 39.0 39.7 39.7 40.0 40.1 40.3 40.3 41.0  25.4 37.4 38.3 39.5 40.2 40.2 40.4 40.6 40.8 40.8 41.5  28.4 41.0 41.9 43.2 43.9 43.9 44.2 44.4 44.8 44.8 45.5  38.9 41.5 42.4 43.7 44.4 44.4 44.7 44.9 45.3 45.3 46.0  41.6 44.3 45.2 46.5 47.9 48.1 48.3 48.5 48.9 49.3 50.1  42.5 45.2 46.0 47.3 48.8 49.0 49.3 49.5 49.9 50.2 51.1  43.9 47.0 47.8 49.2 50.6 50.8 51.1 51.3 51.7 52.1 52.9
29.3       31.1       31.8       33.1       33.5       33.5       33.8       33.8       33.9       33.9       34.6         34.4       36.4       37.3       38.5       39.1       39.1       39.3       39.5       39.7       39.7       40.4         34.4       36.4       37.3       38.5       39.1       39.1       39.3       39.5       39.7       39.7       40.4         34.9       36.9       37.8       39.0       39.7       39.7       40.0       40.1       40.3       40.3       41.0         35.4       37.4       38.3       39.5       40.2       40.2       40.4       40.6       40.8       40.8       41.5         28.4       41.0       41.9       43.2       43.9       43.9       44.2       44.4       44.8       44.8       45.5         28.9       41.5       42.4       43.7       44.4       44.7       44.9       45.3       45.3       46.0         41.6       44.3       45.2       46.5       47.9       48.1       48.3       48.5       48.9       49.3       50.1         42.5       45.2       46.0       47.3       48.8       49.0       49.
34.4       36.4       37.3       38.5       39.1       39.1       39.3       39.5       39.7       39.7       40.4         24.4       36.4       37.3       38.5       39.1       39.1       39.3       39.5       39.7       39.7       40.4         34.4       36.4       37.3       38.5       39.1       39.1       39.3       39.5       39.7       39.7       40.4         34.9       36.9       37.8       39.0       39.7       39.7       40.0       40.1       40.3       40.3       41.0         35.4       37.4       38.3       39.5       40.2       40.2       40.4       40.6       40.8       40.8       41.5         26.4       41.0       41.9       43.2       43.9       43.9       44.2       44.4       44.8       44.8       45.5         38.9       41.5       42.4       43.7       44.4       44.7       44.9       45.3       45.3       46.0         41.6       44.3       45.2       46.5       47.9       48.1       48.3       48.5       48.9       49.3       50.1         42.5       45.2       46.0       47.3       48.8       49.0       49.
24.4       36.4       37.3       38.5       39.1       39.1       39.3       39.5       39.7       39.7       40.4         34.4       36.4       37.3       38.5       39.1       39.1       39.3       39.5       39.7       39.7       40.4         74.9       36.9       37.8       39.0       39.7       39.7       40.0       40.1       40.3       40.3       41.0         25.4       37.4       38.3       39.5       40.2       40.2       40.4       40.6       40.8       41.5         26.4       41.0       41.9       43.2       43.9       44.2       44.4       44.8       44.8       45.5         36.9       41.5       42.4       43.7       44.4       44.4       44.9       45.3       45.3       46.0         41.6       44.3       45.2       46.5       47.9       48.1       48.3       48.5       48.9       49.3       50.1         42.5       45.2       46.0       47.3       48.8       49.0       49.3       49.5       49.9       50.2       51.1         43.9       47.0       47.8       49.2       50.6       50.8       51.1       51.3       51.
34.4       36.4       37.3       38.5       39.1       39.1       39.3       39.5       39.7       39.7       40.4         34.9       36.9       37.8       39.0       39.7       39.7       40.0       40.1       40.3       40.3       41.0         35.4       37.4       38.3       39.5       40.2       40.2       40.4       40.6       40.8       40.8       41.5         26.4       41.0       41.9       45.2       43.9       43.9       44.2       44.4       44.8       44.8       45.5         26.9       41.5       42.4       43.7       44.4       44.4       44.9       45.3       45.3       45.3       46.0         41.6       44.3       45.2       46.5       47.9       48.1       48.3       48.5       48.9       49.3       50.1         42.5       45.2       46.0       47.3       48.8       49.0       49.3       49.5       49.9       50.2       51.1         43.9       47.0       47.8       49.2       50.6       50.8       51.1       51.3       51.7       52.1       52.9
34.4       36.4       37.3       38.5       39.1       39.1       39.3       39.5       39.7       39.7       40.4         34.9       36.9       37.8       39.0       39.7       39.7       40.0       40.1       40.3       40.3       41.0         35.4       37.4       38.3       39.5       40.2       40.2       40.4       40.6       40.8       40.8       41.5         26.4       41.0       41.9       43.2       43.9       43.9       44.2       44.4       44.8       44.8       45.5         26.9       41.5       42.4       43.7       44.4       44.7       44.9       45.3       45.3       46.0         41.6       44.3       45.2       46.5       47.9       48.1       48.3       48.5       48.9       49.3       50.1         42.5       45.2       46.0       47.3       48.8       49.0       49.3       49.5       49.9       50.2       51.1         43.9       47.0       47.8       49.2       50.6       50.8       51.1       51.3       51.7       52.1       52.9
25.4     37.4     38.3     39.5     40.2     40.2     40.4     40.6     40.8     40.8     41.5       26.4     41.0     41.9     43.2     43.9     43.9     44.2     44.4     44.8     44.8     45.5       26.9     41.5     42.4     43.7     44.4     44.4     44.7     44.9     45.3     45.3     46.0       41.6     44.3     45.2     46.5     47.9     48.1     48.3     48.5     48.9     49.3     50.1       42.5     45.2     46.0     47.3     48.8     49.0     49.3     49.5     49.9     50.2     51.1       43.9     47.0     47.8     49.2     50.6     50.8     51.1     51.3     51.7     52.1     52.9
35.4     37.4     38.3     39.5     40.2     40.2     40.4     40.6     40.8     40.8     41.5       26.4     41.0     41.9     43.2     43.9     43.9     44.2     44.4     44.8     44.8     45.5       26.9     41.5     42.4     43.7     44.4     44.4     44.7     44.9     45.3     45.3     46.0       41.6     44.3     45.2     46.5     47.9     48.1     48.3     48.5     48.9     49.3     50.1       42.5     45.2     46.0     47.3     48.8     49.0     49.3     49.5     49.9     50.2     51.1       43.9     47.0     47.8     49.2     50.6     50.8     51.1     51.3     51.7     52.1     52.9
76.9     41.5     42.4     43.7     44.4     44.4     44.7     44.9     45.3     45.3     46.0       41.6     44.3     45.2     46.5     47.9     48.1     48.3     48.5     48.9     49.3     50.1       42.5     45.2     46.0     47.3     48.8     49.0     49.3     49.5     49.9     50.2     51.1       43.9     47.0     47.8     49.2     50.6     50.8     51.1     51.3     51.7     52.1     52.9
36.9     41.5     42.4     43.7     44.4     44.4     44.7     44.9     45.3     45.3     46.0       41.6     44.3     45.2     46.5     47.9     48.1     48.3     48.5     48.9     49.3     50.1       42.5     45.2     46.0     47.3     48.8     49.0     49.3     49.5     49.9     50.2     51.1       43.9     47.0     47.8     49.2     50.6     50.8     51.1     51.3     51.7     52.1     52.9
41.6     44.3     45.2     46.5     47.9     48.1     48.3     48.5     48.9     49.3     50.1       42.5     45.2     46.0     47.3     48.8     49.0     49.3     49.5     49.9     50.2     51.1       43.9     47.0     47.8     49.2     50.6     50.8     51.1     51.3     51.7     52.1     52.9
43.9 47.0 47.8 49.2 50.6 50.8 51.1 51.3 51.7 52.1 52.9
43.9 47.0 47.8 49.2 50.6 50.8 51.1 51.3 51.7 52.1 52.9
49.3 53.1 54.1 55.8 57.3 57.5 57.7 58.0 58.4 58.8 59.7
51.3 55.3 56.3 58.0 59.6 59.8 60.0 60.3 60.7 61.1 62.0
55.2 59.2 60.2 62.0 63.7 63.9 64.2 64.4 64.8 65.3 66.1
57.0 61.0 62.1 64.0 65.7 66.0 66.2 66.5 66.8 67.3 68.2
60.7 64.8 65.9 67.9 69.6 69.9 70.1 70.3 70.7 71.2 72.0
63.0 67.1 68.2 70.2 71.9 72.2 72.4 72.6 73.0 73.5 74.3
66.6 70.7 71.8 73.8 75.7 75.9 76.2 76.4 76.9 77.4 78.2
67.3 71.5 72.6 74.7 76.8 77.0 77.2 77.5 78.0 78.5 79.3
71.7 76.0 77.1 79.2 81.2 81.5 81.8 82.1 82.8 83.3 84.1
74.9 79.3 80.4 82.4 84.5 84.7 85.1 85.4 86.1 86.6 87.4
77.4 81.8 83.3 85.5 87.5 87.8 88.3 88.5 89.3 89.8 90.7
78.7 83.3 84.7 86.9 89.0 89.2 89.7 90.0 90.8 91.3 92.1
79.2 84.3 86.0 88.1 90.2 90.4 90.9 91.2 92.1 92.6 93.5
79.9 85.2 87.0 89.2 91.3 91.5 92.0 92.3 93.2 93.7 94.6
86.3 85.8 87.7 89.8 91.9 92.1 92.6 92.9 93.8 94.3 95.2
91.2 86.8 88.7 90.9 93.0 93.2 93.7 93.9 94.9 95.4 96.2
81.5 87.0 89.3 91.8 93.8 94.2 94.7 94.9 95.9 96.4 97.2
81.6 87.2 89.6 92.1 94.6 94.9 95.4 95.6 96.6 97.1 98.4
81.7 87.3 89.7 92.3 94.8 95.2 95.6 95.9 96.9 97.5 99.4
51.7 87.3 89.8 92.4 94.9 95.5 96.0 96.2 97.3 97.9 99.9
81.7 87.3 89.8 92.4 94.9 95.5 96.0 96.2 97.5 98.1 100.0

0

*:*)

	LING	• • • • •			• • • • • •	• • • • • •		isibili		
I		GT	GE	GE,	GE	6E	GE	GE		G
FE		160	90	80	60	48	40	32	24	
• • •	• • • • • •	• • • • •	• • • • • • • •	• • • • • •	• • • • • • • • • • • • • • • • • • • •	• • • • • •		• • • • • •	• • • • • • •	• • •
NC	CEIL	1.7	24.6	25.2	27.0	28.5	28.8	29.8	30.0	30
GE	200001	1.9	28.7	29.5	31.8	33.7	34.1	35.1	35.5	35
	180001	1 9	28.7	29.5	31 • 8	33.7	34.1	35.1	35.5	35
	16000	1.9	28.7	29.5	31.8	33.7	34.1	35.1	35.5	35
	140001	2.3	29.4	30.3	32.7	34.5	35.0	36.0	36.3	36
G E	12000	2.8	30 • 1	31.0	33.4	35.2	35.7	36.7	37.0	37
GE	100001	2.9	32 • 3	33.2	36.4	38.4	38.9	39.8	40.2	40
GE	9000	3 • C	32.6	33.5	36.9	38 • 9	39.3	40.3	40.7	4 1
GE	8000	30	34.4	35.5	39.2	41.4	41.9	43.0	43.3	43
GE	7000	3.1	35.5	36.7	4C • 4	42.6	43.1	44.2	44.6	44
GE	90001	3 • 4	36.8	38.1	41.9	44.1	44.6	45.∙6	46.D	46
GE	50001	3.8	42.5	44.8	49 • 5	51.8	52.3	53.6	54.0	54
GΕ	45001	4.4	46.2	48.7	53.4	55.7	56.2	57.5	57.	58
GE	4050 l	4.5	51.8	54.2	59.1	61.4	61.9	63.2	63.6	63
GE	3500	4.6	53.8	56.2	61.4	63.8	64.3	65.6	66.0	66
G E	30001	5•6	59.3	62.0	67.8	70.2	70.7	72.0	72.5	72
GE	25001	6.8	62.5	65.1	70.9	73.4	73.8	75.2	75.7	7-6
GE	20001	8.1	67.7	70.8	77.2	79.9	80.4	81.7	82.2	82
GE	1800	8.4	68.8	72.2	78.6	81.2	81.7	83.1	83.5	84
GE	1500	9.1	71.8	75.4	82.6	85.4	85.8	87.4	88.0	88
GΞ	12001	9.7	74.6	78.6	86.7	89.6	90.4	9.2 • 3	92.9	93
ыĘ	10001	9.7	75.7	79.7	88.3	91.4	92.3	94.1	94.7	95
ĵξ	9001	9.7	76.4	85.4	89.3	92.5	93.3	95.2	96.0	96
GE	1008	9.7	76.4	80.5	89.6	92.7	93.6	95.4	96.2	9.7
GE	700	9.7	76.5	8.08	89 • 8	93.0	93.8	95.6	96.5	9-7
G E	6 00	9.7	76.6	83.9	90•1	93.2	94•1	95.9	97.0	97
6 E	5001	9.7	76.9	81.1	90.3	93.5	94.3	96.2	97.5	98
GE	400	9.7	770	81.2	96.4	93.6	94.4	96.4	97.8	98
GE	300	9.7	77.0	81.2	90.4	93.7	94.6	96.5	97.9	98
GΕ	200	9.7	77.0	81.2	90 • 4	93.7	94.6	96.5	97.9	98
GE	1001	9.7	77.0	81.2	90.4	93.7	94.6	96•5	97•9	99
GE	01	9.7	77.0	81.2	90.4	93.7	94.6	96.5	97.9	99
		• • • • •		• • • • •	• • • • • •		• • • • • •	• • • • • •	• • • • • • •	• • • •

# FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

RFOR	D UK				PERIOD	OF REC	ORD: 7	5-76,80	-87		
	•				MONTH	: APR	HOUR	S(LST):	0900-1	7.00	
1	VISTRIL	TTY TN	HUNDREDS	OF ME	TEDE	• • • • • •	• • • • • •	•••••	• • • • • • •	• • • • • • • • •	• •
,E	GE	GE	GE	GE		C I					
40	32	24	20		GE	GE	GE	GE	GE	GE	
		٠		16	12	10	8	5	4	0	
		• • • • • • •	• • • • • • •	• • • • • •	• • • • • •	•••••	• • • • • •		• • • • • • •	• • • • • • • • •	• •
8 • 8	29.8	30.0	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	
4.1	35.1	35.5	35.7	35.8	35.8	35.8	35.8	35 • 8	35.8	35.8	
4.1	35.1	35.5	35.7	35.8	35.8	35.8	35.8	35.8	35,8	35.8	
4 • 1	35.1	35.5	35.7	35.8	35.8	35.8	35.8	35.8	35.8	35.8	
6.6	36.0	36.3	36•6	36.7	36.7	36.7	36.7	36.7	36.7		
5.7	36.7	37. Ď	37.3	37.4	37.4	37 • 4	37.4	37.4	37.4	36.7 37.4	
				• •	<u> </u>	J/•4	31 • 4	J 1:4 4	31+4	31.4	
3.9	39.8	40.2	40.4	40.6	40.6	40.6	40.6	40.6	40.6	40.6	
9 • 3	40.3	40.7	41.0	41.2	41.2	41.2	41.2	41.2	41.2	41.2	
1.9	43.0	43.3	43.7	43.8	43.8	43.9	43.9	43.9	43.9	43.9	
3.1	44.2	44.6	44.9	45.2	45.2	45.3	45.3	45.3	45.3	45.3	
4 • 6	45.6	46.D	46.4	46.6	46.6	46.7	46.7	46.7	46.7	46.7	
						•	- <b>-</b> -	.0 - 1			
2 • 3	53.6	54.0	54.4	54.6	54.6	54.7	54.7	54.7	547	54.7	
• 2	57.5	57.9	58.2	58.5	58.5	58.6	58.6	58.6	58.46	58.6	
. 9	63.2	63.6	63.9	64.3	64.3	64.4	64.4	64.4	64.4	64.4	
• 3	65.6	66.0	663	66.7	66,7	66 • 8	66 • 8	66.8	66.8	66.8	
. 7	72.0	72.5	72.9	73.2	73.2	73.4	73.4	73.4	73.4	73-4	
	75.0							•			
8 • 8	75.2	75.7	76-0	76.4	76.4	76.5	76.5	76.5	76.5	76.5	
. 4	81.7	82.2	82.7	33.1	83.1	83.2	83.2	83.2	83.2	83.2	
• 7	83.1	83.5	84.0	84.5	84.5	84.6	84-6	84.6	84.6	84.6	
. 8	87.4	88.0	88.5	89.0	89.0	89.1	89.1	89.1	89.1	89.1	
4	92.3	92.9	93.3	93.8	93.8	93.9	93.9	93.9	93.9	93.9	
3	94.1	94.7	95.2	95.6	95.6	95.8	95.8	95.8	95.8	95.8	
. 3	95.2	96.0	96.7	97.2	97•2	97.3	97.3	97.3	97.3		
. 6	95.4	96.2	97.0							97.3	
8 •	95.6	96.5	97.2	97.7	97.7	97.8	97.8		97.6	97.6	
• 1	95.9	97.0	97.8	98.3	98.3	98.4	91.8	97.8 98.4	97.8	97.8	
	-			- 3 - 3	, u • u	/ U • T	70 • <del>4</del>	70.4	98.4	98.4	
• 3	96.2	97.5	98.3	98 • 8	98.8	98.9	98.9	98.9	98.9	98.9	
. 4	96.4	97.8	98.7	99.2	99.2	99.3	99.3	99.3	99.3	99.3	
• 6	96.5	97.9	98.9	99,4	99.4	99.5	99.5	99.5	99.5	99.5	
• 6	96.5	97.9	98.9	99.4	99.4	99.5	99.5	99.9	99.9	99 • 9	
. 6	96.5	97•9	99.0	99.5	99.5	99.6	99.6	100.0	1.00.0	1.00.0	
. 6	96.5	97.9	990	99.5	99.5	99•6	99•6	1.00.0			
			*****				77 • 0	1.00 • 0	100.0	100.0	

0

							· · · · · ·	
CEILING						٧	ISIBILI	H NI YT
I Mr	GT	GE	GE	GE	GE	GE		GE
FEET	160	90	80	6 C	48	40	32	24
			• • • • • •		• • • • • •	• • • • • •	• • • • • •	• • • • • • •
NC CEIL	2.2	25.7	26.1	26.7	27.2	27 • 2	27.2	27.2
0212 ,	4 • 4	23.1	2011	20.1	21 • 2	2102	2142	C / • C
GE 200001		33.0	33.5	34 • 3	35. 0	35.1	35.1	35.1
GE 180001	2.9	33.3	33.8	34 • 5	35.3	35.4	35.4	35.4
6E 16000)	2.9	33.3	33.8	34 • 5	35.3	35.4		
GE 14000	3.3	33.9	34 . 4				36.0	
GE 15000)	3.4	35.7	36.2	37.2	37.9	38.1	38.1	38.1
CE 100001		39,5	40.4	41.4	42.4	42.5	42.5	42.5
GE 9000]	3.9	39.9		41.7	42.7		42.8	42.8
GE 8000	3.9	42.8	70.1	44.7	45.8	45.9	45.9	45.9
GE 7000	4.0	432	44.1	45.0	46.1	46.3		
GE POOC)	4.4	44.7	45.5	46.6	47.7	47.9	47.9	47.9
6E 5500]	5.5	51.4	52.3	53.6	54.7	54.8	54.•8	54.8
GE 45001	5.6	56-2	57.3	58.9	60.0	60.1	60.1	60.1
GE 40001		62.4	63.5	65.2	66 • 3	66.5	66.5	66.5
GE 35001	6.7	68.8	70.0	71.8	72-•9	73.1	73.1	73.1
GE 30001	8.7	78.8	80.0	82.7	83.8	84.0	84.1	84.1
GE 250nl	9.3	81.9	83.1	85.8	86.9	87. C	87.1	87.1
	10.5	36.0	87.3	90.5	91.6	91.7	92.0	92.0
GE 18001	11.0	87·1	88.4	91.7	92.8	92.9	93.3	93.3
GE 15001	11.4	39.4	90.6	94 • 1	95.3	95.5	95.8	95.8
GE 1260	11.8	90.7	91.9	95.7	96.9	97.1	97.6	97.6
GE 1000	11.8	91.2	92.7	96.6	97.9	98.0	98.5	98 5
00 001		91.2		96.6	97.9	98. U	98.7	98.7
GE 8001		91.3		97.1	98.5	98.7	99.3	99.3
GE 7001		91.6	93.4	27.6	99.G	99.1	99.8	99.8
GE 6001	12.1	91.7	93.5		99.1		99,9	99.9
GE 500	12.1	91.7	93.5	97.7	C.Q _ 1	99. T	99.0	Q Q Q
GE 400								
GE ROOL	12.1	91 7	97.5	97.7	00.1	99.3	99.9	99.9
GE 300  GE 200  GE 100	12.1	91.7	93.5	97.7	99 1	99. 7	99.0	09.0
GE 1001	12.1	91.7	97.5	97.7	99.1	99.3	99.9	99 9
0. 2001		- 4 - 1	, , , ,	/ · • ·	27 <b>4 3</b>	//• J	,,•,	***
GE OI								
						• • • • • •		• • • • • • •

### JENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

٧				S OF ME							
	GE	GE	GE				ĢΕ	GE	GE	GE_	
	32	24		16	12	10	8	5	4	0	
			• • • • • • •		*********			•••••	• • • • • •		
	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	
	35.1	35.1	35.1	35 • 1	35.1	35-1	35.1	35.1	35.1	35.1	
	35.4	35.4	35.4	35,4	35.4	35 • 4	35.4	35.4	35.4	35.4	
	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35 • 4	35.4	
	36.0	36.0	36 · O	36.C	36.0	36.0	36.0	36.0	36-∙0	36. <sub>•</sub> 0	
	38.1	38.1	38.1	38 • 1	38.1	38.1	38.1	38.1	38 •.1	38.1	
	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	
	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	
	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	
	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	
	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	
	54.8	54.8	54.8	54.8	54.8	54.8	54 • 8	54.8	54.8	54.8	
	60.1	60.1	60.1	60.1	60.1	60.1	60 - 1	60.1	60.1	60.1	
	665	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	
	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1		
	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	
	87.1	87.1	87-1	87.3	87.3	87.3	87.3	87.3	87.3	87.3	
	92.0	92.0	92.6	9.2.2	92.2	92.2	92.2	92.2	92.2	92.2	
	93.3	93.3	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	
	95.8	95.8	95.8	96.0	96.0	9.6 - 🕶 🛭	96 • D	96.D	96 • D	96.0	
	97-•6	97 • 6	97.6	97.7	97.7	9.7.7	97.7	97.7	97.7	97.7	
	98.5	98.5	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	
	98.7	98.7			98.8	98.8	98.8	98•8	98.8		
	99.3	99:3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99-4	
	99.8	99.8	99.8	99.9	99.9	99.9	999	99.9	99.9	99.9	
	99.9	99.9	99•9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
	99.9	99.9	99.9	100.0	100.0	100.0	1000	100.0	100.0	100.0	
	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
	999	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
	99.9	99.9	99.49	100:0	100.0	101.0	100.0	100.0	100.0	100.0	
	99.9	99.9	99.9	100.0	100.0	100.0	100.0	1.00.0	100.0	100.0	
							• • • • • •				<b>,</b> -

CEIL	• • • • • • • • •	• • • • •								
IN	1 14 6	GT	GE	C	۰.E	GE		VISIBILI GE		
	1		90	6€ 80	GE 60	48				20
	-		7.0							_
• • • • •		• • • • •	4=4 4 4 4 4 4	* * * * * * *	• • • • • • • •		• • • • • •	• • • • • • • •		• • • • • •
NC CE	ו או	2.6	31.3	31.8	32.4	32.8	32.8	32.8	32.8	32.8
GE 20	10000	4.9	40.2	40.8	41.4	41.8	41.8	41.8	41.8	41.8
G.E 18		4.8	40.2	40.8	41.4	41.8	41.8	41.8	41.8	41.8
6E 16	10038	4.8	40.2	40.8	41.4	41.8	41.8	41.8	41.8	41.8
3E 1	10001	5 • ը	41.1	41.7	42.3	42.7	42.7	42.7	42.7	42.7
GE 12	10008	5.6	42.4	43.0	43.6	44.0	44.0	44.0	44.0	44.0
GE 10	oc oo	6.0	46.8	47.4	48 • 2	48.5	48.5	48.5	48.5	48.5
GE S	enaci.	6.1	47.8	48.4	49.1	49.5	49.5	4-9.5	49.5	49.5
GE 8	3cael	6.1	51.1	51.7	52.6	52.9	52.9	52.9	52.9	52.9/
GE T	70001	6.2	51.7	52.3	53.2	53.5	53.5	53.5	53.5	53.5
GE 6	60001	7.0	53.8	54.6	55.5	55.9	55.9	55.9	55.9	55.9
٠. ١	rage I	0 1	61.0	(2.7	1-		<i>(1)</i> 1	<i>.</i>	/ 11 7	2 tr 3 '
	5000  4500	8.1 8.4	61.9 66.9	62.7 67.7	63.6	64.1	64.1	64-•1	64.1	64.1
	4000]	8.8	75.8	76.8	68.8 77.9	69•3 78•4	69.3 78.4	69.3	69•3	69.3 78.4
	3500 j.		79.0	80.2				78.4	78.4	
	3000 L				81.3	81.8 89.0	81.8 89.0	81.8	81•8 89•0	81.8
GE .	26.001	11.0	35.8	87.2	88.5	89.0	89.0	89.0	84.0	89.0
GE 2	25001	11.2	97.2	89.5	90.8	93.7	96.7	90.7	90.7	90.7
	20001	11.6	90.1	9.4	23.0	94.1	94.1	94.3	94.3	94.3
	1800		91.0	92.3	94 • 0	95.1	95.1	95.2	95.2	95.2
	1500		92.8	94.5	96.8	97.9	97.9	98.3	98.3	98.3
	12001		93.2	94.9	97.2	98.3	98.3	98.7	98.7	98.7
	1000 l		93.2	94.9	97 2	98.3	98.3	98.7	98.7	98.7
ŝΕ	9 00		93.4	95.2	97.6	98.7	98.7		9-9 • 0	99.0
GE	8001	12.2	93.4	95.2	97.6	98.7	98.7	99.0	99.0	99.0
GE	700	12.2	93.5	95.4	98.0	99.1	99.1	99.5	99.5	995 -
GΕ	6601	12.2	93.5	95.4	98.0	99.1	99.1	99.5	99.5	99.5
GE	គ្នាកា I	12.2	93.5	95.4	98.• ਹੋ	99.1	99.1	99.5	99.5	99.5
GE		12.2			96.∙ U 98.• U	99.1		99.5 99.5		
G E			93.5			99.1		99.5		
5 E	2001	12.2	93.5	9 ε u				99.5		
GE		12.2		95.4	98.0			99.5		99.5
- <b>-</b>	- 40 (	* tu * in	- 3 + 3	/ 🗸 🕶	,,,,	// * *	***1	//•5	. 4. 7	, , <del>, , ,</del> .
GE	0.1	12.2	93.5	95.4	98.0	99.1	99.1	99.5	99.5	99.5
	** * * *		- 0 0 0 0 0 0 0 0 0 0							

TCTAL NUMBER OF OBSERVATIONS: 818

1

REQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

LRFORE	O UK							-76,80-		,	
V	ISIBIL	ITY IN	HUNDRED	S OF ME	TERS				•••••		• •.
6 <b>E</b>	GE	GE			GE	GE	GE	GE	GE	GÉ	
40	32	24			12	10	8	5	4	0	
*****					•.• • • • •						
·											
32.8	32.8	32.8	32.8	32 • 8	32.8	32 • 8	32.8	32.8	32.8	32.8	dis-
41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	
41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8		41.8	41.8	
41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	4
42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	
44. C	44.0	44.0	44.0	44.0	44.8	44.0	44.0	44.0	44.0	44.0	en Engl
						1,1.0	,			.,	Engl
48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	
49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	
52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	529	اب
53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	
55.9	55.9	55.9	55.9	55.9	5.5.9	55.9	55.9	55.9	55.9	55.9	
							• • •	33	• • • • • • • • • • • • • • • • • • • •		أدانه
64.1	64.1	64.1	64 = 1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	
59. g	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69-•3	69.3	69.3	- ¥j
78.4	78.4	78.4	78.4	78.4	78.4	78.4	784	78.4	78.4	78.4	
01.8	81.8	81.8	81.8	81.8	8.1.8	818	81.8	81.8	81.8	8-1 -8	
39.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	
											++
çû.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	
94.1	94.3	94.3	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	به اسم
95.1	95.2	95.2	95.2	95.4	95.4	95.•4	95.4	95.4	95.•4	95.4	
97.9	98.3	98.3	98.3	98.4	98.5	98.5	98.5	98.7	98.7	98.7	
98.3	98.7	98.7	987	98.8	98.9	9.8.9	98.9	99.0	99.0	99.D	و نيد
98.3	98.7	98.7	98.7	98 • 8	98.9	98.9	98.9	99.0	99.0	9-9 • 0	
98.7	99.0	99.0	99.0	99.1	99.3	99.3	99.3	99.4	99.4	99.4	پود انور
<b>38.7</b>	99.0	99.0	99.0	99.1	993	99.3	99.3	99.4	99.4	99.4	• 5
<b>35.1</b>	99.5	99.5	99.5	99.6	99.8	99 . 8	99.9	1.00.0	100.0	100.0	
99.1	99.5	99.5	99.5	99.6	99.8	99.8	99.9	100.0	100.0	100.0	
99.1	99.5	99.5	99.5	99.6	99.8	99.8	999	100.0	100.0	100.0	
79.1	99.5	99.5	99-•-5	99.6	99.8	99.8	99.9	100.0	100.0	100.0	هاستر محمد
99.1	99.5	99,5	99-5	99.6	9-9 • 8	99.8	99.9	100.0	100.0	100.0	
99.1	99.5	99.5	99.5	99.6	99.8	99-∙8	99-•9	100.0	100.0	100.0	
39.1	99.5	99.5	99•5	99:• 6	99.8	99.8	99-•9	100.0	100.0	100.0	, •
99.1	99.5	99.• 5	99-5	99.6	99.8	99•8	-99-•9	100.0	100.0	100.0	
• • • • • •	* * * * * * *	• • • • • • •				• • • • • • •	• • • • • • •			•• • • • • • •	•• ()

O

								,		k
CEI	LING	* * * * * * *		• • • • • •	•••••	• • • • • •	• • • • • •	VISIBIL	T-TY TN 1	≥ии∩р
	N	l GT	GE	GE	GE	GE	GE	GE	GE	GE
FE	ET	160	90	80	6 U	48	4 C	32	24	2
										-
N O	CEIL	• 6	40.4	40.9	41.3	41.6	41.6	42.1	42.1	42.
in E	20000		tete 6	6 C 10	1. F A					•
	20000   18000		44.9 45.8	45.4	45.8	46.1	46.1	46.6	46.6	46.
	16000		45.8	46.3 46.3	46.7 46.7	47.0	47.0	47.5	47.5	47.
	14000		466	40.•3 47.0	40 • 7	47.0	47.0	47.5	47.5	47.
	12000		47.5	47.9	48.4	47.8 48.7	47•8 48•7	48.2	48.2	48.
0.4			1110	7/4/	7017	40 • 1	40.1	49.1	49.1	49.
ŝΕ	100 00 1	1.2	51.2	51.6	52.1	52.8	52.8	53.3	53.3	53.
GE	9000		53.1	53.6	54.0	54.8	54.8	55.2	55.5	55.
G E	80001		58.2	58.7	59.1	59.9	59.9	60.3	60.6	60.
GE	7000	1.2	58.7	59.1	59.6	60.3	60.3	60.7	61.0	61.
GE	6000	1.2	60.3	6ე <b>.</b> 9	61.3	62.1	62.1	62.5	62.8	62.
e- e-	- 1									=
G-E	5cocl		67.2	67.9	68.7	69.7	69.7	70 - 1	70.4	70.
GE	4500		73.9	74.6	76.0	77.0	77.0	77.5	77.8	77.
GE	4000		79.1	0.08	81.6	82.7	82.7	83.1	83·•-4	83.
GE	35 00		81.0	81.9	83.7	84.8	84.8	85.2	85.5	85,
GE	3000 (	1.8	83.6	84-•5	86.3	87.5	87.5	88.1	88-• 4	88.
GΕ	2500	2.1	85.2	86.4	88 • 2	89•4	89.4	90.0	00.7	O
GE	2000		88.2	89.4	91.2	92.4	92.4	93.0	90.3 93.3	9° <b>0•</b> 93•
6 E	18001		89.7	90.9	92.7	93.9	93.9	93.0 94.5	94.8	94.
GE	1500		91.2	92.5	94.5	95.7	95.7	96.3	966	96.
6 E	12 00 l		92.2	93.7	95.8	97-12	97 <u>.</u> 2	98-1	98.4	98:•
			,	,	,,,,		/ 1 • •	79.1	7014	70.
G E	1000	2.2	92.2	93.7	95.8	97.2	97 • 2	98.1	98.4	98.
GE	9001	2.2	92.5	94.C	96.3	97.6	97.6	985	98 - 8	9.9 •
6 E	800		92.8	94.3	96-6	97.9	97.9	98.8	99.1	99.
GE	7001	2.2	93.0	94.6	96.9	98.2	98.2	99.1	99.4	99.
G E	6001	2.2	93.0	94.6	96.9	98.2	9č•2	99.1	9-9 • 4	99.
حد	5551	• •								
GE	500		93.0	94.6	96.9	98.2	98.2	99.1	99-• 4	99.
GE	4001		93-0	94.8	97.2	98.5	98.5	99.4	99.7	99.
GE	3001		93.0	94.8			98.5	99.4		99.
GE	200-		93.0	94.8				99.4		9.9.
ΘE	100-	2.2	93.0	94.8	91.2	78.5	92.5	99-•4	99.7	99.
GE	01	2.2	93.N	94 9	97 2	00. E	מם ב	99.4	00 7	0.0
			73.0			30.002	70 • D	yy • <del>4</del>		99.
. • •									) •- • • • • • •	

#### REQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

RE G	RD UK				PERIOD	OF REC	ORD: 75	-76,80-	87		-
}						: APR	HOURS	(LST):	1800-20	00	
••••	VTCTDT	1 TTV TN	HUNDRED		* * * * * * * TFDC	• • • • • •	• • • • • •	• • • • • •	• • • • • •	• • • • • • • • • •	
CE	GE	GE	GE	GE	GE	GE	GE	Gε	GΕ	GE	
40			20	16	12	10	8	<u>ر</u> 5	4	.0	-34
		4-4-4-4-4-4					A A A	3	• • • • • • • • • • • • • • • • • • • •		4
, , ,								0.0 0 0 0 0 0	* * , , , , ,		
1.6	42.1	42.1	42.1	42 - 1	42.1	42.1	42.1	42.1	42.1	42.1	1
	,			,			, = 0				4
6.1	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	
17.0	47.5		47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	1
47.C	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	***
7.8	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48-2	48.2	
18.7	49.1	49.1	49.1	49.1	49.1	49.1	49 - 1	49.1	49.1	49.1	3
		_									•
8.5			5-3 • 3	53.∙3	53.3	53.3	53.3	53.3	53.3	53.3	
4 . 8			5:5 • 5	55.5	55.5	55.5	55.5	55,5	55.5	55 • 5	
9.9	60.3		60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	_
6.3			61.0	61.0	61.0	61.0	61.0	6-1 • 0	61.0	61,0	
2.1	62.5	6.2 . 8	62.8	62.8	62 •-8	62.48	62.8	62.8	62.8	62.8	_ T
	_										
9.7	70.1		70.4	70.4	70.4	70.4	70 • 4	70.4	70.4	70.4	
7.0	77.5		77.8	77.8	77.8	778	77 • 8	7-7 • 8	77.8	77.8	
2.7			83.4	83.4	83.4	83.4	83.4	8-3 - 4	83.4	83.4	
4.8 7.5	85.2		85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	346
7.5	88.1	88 • 4	88.4	88 -4	88.4	88.4	88.4	88 • 4	88.4	88.4	
9.4	00.0	20.7		0- 7						_	
	90.0		90.3	90.3	9.0 • 3	9.0 • 3	90.3	90.3	90.3	90.3	
2.4	93.0		93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	
3.9	94.5		94.8	94 • 8	94.8	94.8	94 . 8	94-8	94.8	94.8	
5.7 7.2	96.3 98.1		96.6 98.5	96 • 6 98 • 5	96.6	96•6	96 • 6	96.6	96.6	96•6	-4
! !-« <u>~</u>	30.1	70.4	90.3	98.5	98 • 7	98.7	98 • 7	98.7	98.•7	98•7	يد. نعب
7.2	9-8 - 1	98.4	98.•5	98.5	98.7	98.7	98.7	98.7	98.7	98.7	
7.6	98.5		99.0	99.0	99 • 1	99.1	99.1	99.1	99.1	99-1	•
7.9	98.8	~	99.3	99.3	9.9 • 4	99.4	99.4	99-4	99.4	99.4	به. نب
8.2			99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	
6.2	99.1		99.6	99.6	99.7	99.7	99.7	99-7	99.7	99.7	 مد
		• • •	,,,,	, , , ,	,,,,,	,,,,,	,,,,,	,,,,,	,,,,	,,,,,	
2.3	99.1	99.4	996	99.6	99.7	99.7	99.7	99.7	99.7	99.7	
8.5	99.4		99.9	99.9	1:00.0	100.0	100.0	1.00.0	100.0	100.0	Ð
8.5	99.4		99.49	99.9	100.0	100.0	100.0	130.0	100.Ò	100.0	٠٠
8.5	99.4		99.9	99.9	100.0	100.0	100.0	100.0	100.0	1.00 • 0	
12.5	99.4		99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	, "
			•	-		<del>-</del>		<u>.</u> 1 %			·
8.5	99. •4	99.7	99.9	99-•9	100.0	1.00.0	100.0	100.0	100.0	100.0	
								\$-0.0 0.0-0			<u> </u>
										*	

	LING	• • • •		• • • • •		• • • • • •		/ISIBILI		i i i i
	N I	G-T	GE	GΕ	GE	GE	GE	GE	GÊ	G
	ET	160	90	80	60		40	32	24	O
										*
	• • • • • •	• • • • •	• • • • • • •	• • • • • •	* * * * * * * * *				• • • • • •	• • •
NŪ	CEIL !	2.3	49.0	49.8	51.1	52.0	52•.6	52.7	52.9	52
ĠΕ	200001	3.1	52.3	53.0	54.6	55.6	56.4	56.5	56.7	56
GE	18000	3.1	52.6	53.3	54 • 9	55.9	56.7	56.8	57.0	<b>5</b> 7
GE	160001	3.1	52.6	53.3	54.9	55.9	56• 7	56 • 8	57.0	5 7 <sup>-</sup>
GE	14000	3.1	53.0	53.7	55.43	56.4	57. i	57.2	57.4	57
	12000]	3.2	53.9	54.6	56.2	57.4	58.1	58.3	58.4	รี ซึ่
	•						•			
	10000	3.4	55.5	56.2	57.8	59.2	59.9	60.0	6g.2	60
GE	9000	3.4	56.4	57,1	58.7	60-5	61.2	61.3	61.5	61
GΕ	80001	3.5	60.8	61.5	63.1	64.9	65.6	65.7	66.0	66
GE	7000	3.5	61.5	62.2	63.8	65 • 6	66.3	66.5	66.8	66
3 3	60001	3.5	63.0	63.7	654	67.2	67.9	68.1	68.4	6-8
GE	5000]	3.8	67.9	68.7	70.7	72.5	73.2	73.4	73.6	73
GE	45001	3.8	70.7	71.4	73.6	75.4	76.1	76.4	76.7	76
Gε	40001	4.0	73.5	74.2	76 -4	78.2	78.9	79.2	79.5	79
GĒ	3500	4.0	76.3	77.G	79.4	81.3	82.0	82.3	82.6	82
GΕ	30001	4.2	80.2	81.4	83. 9	86.1	86.8	87.1	87.4	87.
	•	•	0.0 2	0		•••	40.0			
GE	2500	4.2	84.0	8-2 - 1	84.6	86.8	£7.6	87.8	88 • 1	8.8.
ьE	20001	4.7		84.9	87.4	89.6	90.3	90.6	90.9	9 D.
GE	1800	4.7	84.0	85.4	87.8	90.0	90.8	91.1	91.4	91
GE	1500 İ	4.7	86.4	87.7	90.8	93.D	93.7	94.0	94.3	94.
GE	1200	4.8	87.3	89.0	92.4	94.6	95.3	95.6	95.9	95
						,	,	, , , ,		, -
GE	10001	5.0	38.6	90.3	93.7	95.9	96.6	96.9	97.5	97
GE	9601	5.0	88.6	90.3	93.7	959	96.6	96.9	97.5	97≕
GE	1003	50	89.2	90.9	94.3	96.5	97.2	97.5	98.1	9.8
GE	7001	5.0	89.2	90.9	94.3	96.6	97.4	97.7	98.2	98
GE	6001	5.1	89.5	91.2	94.7	97.1	97.8	98.1	98.7	98
	•	_					. , . 0	, •		
G-E	500	5-1	39.9	91.9	95.5	97.8	98.5	98.8	99.4	99
GE	400 [	5.1	90.0	92.1	95.8	98.1	98.8	99.1	99.7	<b>9</b> :9 ,
GE	3001	5.1	90.0	92.1	95.8	98.1	98.8	99.1	99 • 7	9⁻9 î
GE	2001	5.1	90.0	92.1	95.8	98.1	98 • 8	9-91	99.7	99.
GΣ	100	5.1	90.0	92.1	95.8	98.1	98.8	99.1	99.7	99,
										-
3 D	0-1	5.1	90.0	92.1	95 • 8	98.1	98.8	99.1	99.47	99,
				<b>5 6 6 6 6</b>	*** * ** * * * * *		• • • • • •	• • • • • • •	• • • • • • •	• • • • •

#### E FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

4		visibil	TTV TM		OF ME		• • • • • •		• • • • • •	• • • • • •	• • • • • • • • •	•
	GE	GE	6E	GE	GE	GE	GE	GE	GE	GE	GE	
	40	32	24	20	16	12	10	8	5	4	0	
•		• • • • • • •					• • • • • •	• • • • • • •	• • • • •	• • • • • •	• • • • • • • • •	•
	52.6	52.7	52.9	52.9	52.9	5-2 • 9	52.9	52.9	52.9	53.0	53.0	
	56.4	56.5	56.7	56.7	56.7	56.7	56.7	567	56•7	56.8	5-6 • 8	
	56.7	56.8	57.0	57.0	57- <b>.</b> -0	57.0	57.0	57.0	57.0	57.1	57.1	
	56•7	56•8	57.0	57.0	57.0	57.0	57 • D	57.0	57.0	57.1	57.1	
	57.1	57.2	57.4	57.4	57 • 4	57.4	57.4	57.4	57.4	57.5	57.5	
	58.1	58.3	58.4	5.8 • 4	58-+4	58.4	58.4	58•4	58.4	58.6	58.6	
	59.9	60.0	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.3	60.3	
	61.2	61.3	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.6	61.6	
	65.6	65.7	66.0	66.0	66-0	66.0	66.0	66.0	66.0	66.2	66.2	
	66.3	66-5	66.48	66.8	66.8	66.8	66.•8	66 • 8	66.8	66.9	66.9	
	67.9	68.1	68-4	68.4	68.4	68.4	684	68 • 4	68.4	68+5	68.5	
	73.2	73.4	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.8	73.8	
	76.1	76.4	76.7	76.7	76.7	76.7	7.6 • 7	76.7	76.7	76.9	76:•9	
	78.9	79.2	79.5	79.5	79.5	79.5	79.5	79.5	79-5	79-6	79.6	
	82.0	82.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.7	82.7	
	86.8	87.1	87.4	87.4	87.4	8-7 • 4	8-7 •-4	87.4	87.4	87.6	8.7 • 6	
	87.6	87.8	88-• 1	88.1	88.1	88.1	88.1	88.1	88-1	88.3	88 • 3	
	<i>9</i> 0.3	90.6	90.9	90.9	90.9	90.9	909	90-∙9	90 • 9	91-1	91.1	
	20.8	91.1	91.4	91.4	91.4	91-4	91.4	91.4	91.4	91.5	91.5	
	93.7	94.0	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.•4.	94.•4	
	953	95.6	95.9	95.9	95. 9	95.9	9.5 • 9	95 • 9	95.9	96.0	96.0	
	96.6	96.9	97.5	97.5	97.7	97.7	977	97.7	97.7	97.8	97.8	
	36.6	96-•-9	97.5	97.5	97.7	97-7	97.7	97.7	977	97.8	97.8	
	97.2	97.5	98.1	98.1	98 •-2	98.2	98.2	98 • 2	98•2	98.4	98-•4	
	97.4	9-7 • 7	98.2	98.2	98.4	98.4	98.4	98.4	98. • 4-	98.5	98.5	
	97•8	98 • 1	98.7	98.7	98.8	9-8 • 8	98 • 8	98 •-8	98.8	99.0	99.0	
	98.5	98.8	99.4	99-4	99•-6	99•6	99.46	99.6	99.6	99.• <u>7</u>	99.•7	
	98.8	99.1	99.7	9 9 • 7	999	9.99	99.9	99•9	99.9	100.0	100.0	
	98.8	99.1	99.7	9.9.• 7	99.9	99.9	99.9	99.9	99.9	100.0	100.0	
	93 - 8	99-1	99.7	99.7	99.9	99.9	99.9	99.9	59.9	100.0	100.0	
	98.8	99.1	99•7	99.7	99.9	99.•9	99.9	99.9	99.9	100.0	100.0	
	98.8	99.1	99.7	99.7	99., 9	99.9	99 • 9	99-•9	99.9	100.0	1:00.0	

										\$
CET	LING		* * * * * * * * * *			• • • • • •	• • • • • •	VISIBIL	TTY TN	HINDPED
	N	GT	GE	GE	GE	GE	GE		GE	GE
	ET			80				32		
٠ ـــ	<b>C</b> , [		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,							
	• • • • • • •	• • • • •				1	• • • • • •	• • • • • • •		
NLO	CEIL	2.6	32.8	77 6	35.0	75 0	36 • 2	36.8	37.1	37.3
IV C	CLIL !	4.0	34.0	33.6	22.0	35•9	30 • 2	30.0	21.1	31.3
c c	ann nn I	7 /1	ילי נייני	70 7	40.2	41.4	11.1 0	40 E	4.5.0	0.7 1
	200001	3.4	37.7	38.7	40.3		41.8	42.5	42.9	43.1
	18000	3.4	37 • 8	38.9	40.5	41.6	42.0	42.7	43.1	43.3
	160001	3.4	37.8	38.9	40.5	41.6	42.0	42.7	43.1	43.3
	14000	3.5	38.3	39.3	41.0	42 • 1	42.5	43.2	43.6	43.8
61	12000	3.7	39.2	49.2	41.9	43.1	43.5	44.2	44.5	44.8
							1. 2. 3.			
	10000	4.1	42.0	4-3 • 1	45.1	46.4	46.8	47.6	47.9	48.2
GE	9000	4.1	42.7	43.8	45.8	47.1	47.6	48.3	48.7	49.0
GE	80001	4.2	45.8	46 • 9	49.2	50.6	51.1	5-1 • 9	52.3	52.5
ĜΕ	7000	4.2	46.4	47.6	49.9	51.4	51 • 8	52.6	53.0	53.3
G E	6r00	4.5	47.9	49.2	517	53.2	<b>53.</b> -6	54.5	54.9	55.2
				50.0		<b>50</b> 4	4.6.			
GE	5000]	5.0	53.4	54.9	578	59.6	60.1	61.2	61.6	61.9
GE	4500	5.2	57 • 1	58.7	61.9	63.7	64.2	65.4	65.8	66.1
GE	40001	5.5	61.7	63,4	66.48	68 • 6	69.1	70.3	70.7	71.1
GE	3500	5.7	64.5	66.2	69.8	71.7	72.2	73.4	73.8	74.2
G E	30001	6.4	69.4	71.3	75 • 1	77.1	77. 7	78.9	79.4	79.8
~ ~			=	77.5		70.1	20. 7	a	01 5	31.0
GE	25 00	6.7	71.2	73.2	77 • 1	79.1	79.7	81.0	81.5	81.8
GE	2000	7.3	74.8	77.0	81.1	83.3	83.9	85.2	85.7	86.1
GE	1800	7.5	75.7	77.9	82.1	84.3	84.9	86.2	86.7	87.1
GE	1500	7.7	77.9	89.3	84.9	87.1	87.8	89,1	89.7	90.1
GE	12001	8 •- 1	79.5	82. <sub>0</sub>	87.C	89-4	90.0	91.5	92.1	92.6
-2.67						~~ ~	<b>7.</b> 2 ()	00.0	07 (	A 1. 4 .
GE	10001	82	83.5	83.1	88.3	90.7	91.4	92.9	93.6	94.1
GE	9001	8.3	81.C	83.6	88.9	91.4	92.0	93.5	94.3	94.8
GΕ	8001	8.3	81.3	84.0	89.4	91.9	92.6	94.2	95.1	95.5
GΕ	700	8.3	81.6	84.3	89.9	92.5	93.2	94.8	95.7	96.2
6 E	6 OC	8.4	81.7	84.5	90.2	92.7	93.5	95.2	96.1	96•6
								. <u>.</u> _		"
GE	500							95.7		
G E								96.0		
GE	300	8 4	82.0	84.8	90.7	93.5	94.2	96.1	97.1	97.7
GE		8.4	82.0	84.8	90.7	93.5	94.2	96.1	97.1	97.7
GE	1001	8.4	82.0	84 • 8	90.7	93.5	94 • 2	96.1	97.1	977
	•	<u>.</u> .								
								96.1		
			·• • • •-• · • • •							

#### FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

						APR	-	LLST):		•	
			HUNDREDS			_				er. ma	
GE	GE	GE			GE			GE_	GE	GE	
40						10	8	5	4	0	•
86•2	36.8	37.1	37.3	37 • . 9	37.4	37-• 5	37.6	37.6	37.7	37.9	
11.8	42.5	42.9	43.1	43.3	433	43.4	43.4	43.5	43.6	43.8	
12.0	42.7	43.1	43.3	43.5	43.5	43-6	436	4-3-• 7	43.8	44.0	
12.0	42.7	43.1	43.3	43.5	43.5	436	43.6	43.7	43•8	44.0	
2.5	43.2	43.6	43.8	44 • D	44.• D	441	44.2	44.2	44.3	44.6	
3•5	44.2	44-, 5	44.8	45.0	45.0	45.1	45.1	45.2	45.3	45.5	
6.8	47.6	47.9	48.2	48.4	48.4	48.5	486	48.7	48.8	49.0	
7-• 6	483	48.7	49.0	49 • 2	49.2	49.3	49.4	49.5	49.6	49.8	
1.1	51.9	52.3	52.5	52.8	52.9	53.0	53.1	53.1	53,3	53.6	
1.8	52.6	53.0	53.3	53.6	53.6	53.8	53.8	53.9	54.1	54.3	
3.6	54.5	54.9	55.2	55.5	55.6	557	55.7	55 • 8	56.0	56.2	
0 · 1	61.2	61.6	61.9	62.2	62.3	62.4	62.5	62.6	62.8	63.0	
4.2	65.4	65.8	66 • 1	66.5	6.6 • 5	66.7	66.7	66.8	67.0	67.3	
9.1	70.3	70.7	71.1	71.4	71.5	71.6	71.7	71.8	72.0	72.2	
2.2	73.4	73.8	74.2	74.6	74.6	74 • 8	74.8	74.9	75.1	75.4	
7.7	78.9	79.4	79.8	80.2	80.3	80.4	80.5	80.5	80.7	81.0	
9.7	81.0	81.5	81.8	82.3	82.3	82.5	82.5	82.6	82.8	83.1	
3.9	85.2	85.7	86.1	86.6	86.6	86.8	86.8	86.9	87.1	87.4	
4.9	86.2	86 7	87.1	87.6	87.7	87.8	87.9	88.0	88.2	88.4	
7.8	89.1	89.7	90-1	90.6	90.7	90.9	90.9	91.1	91.3	91.5	
U • O	91.5	92.1	92.6	93.1	93.2	93.4	93.4	93.6	9.3 • 8	94.0	
1.4	92.9		94.1	94.7	94.8	95.0	95.0	95.2			
2.0	93.5	94.3	94.8	95.4	95.6	95.8	95.8	96.0	96.2	96.4	
2,6	94.2	95.1	95 • 5	96.2	9.6.3	96 •-5	96.5	96.7	96.9	97.2	
3.2	94.8	95.7	96.2	96.8	9-6 • 9	97 • 1	97.2	97.4	97.6	97.8	
3.5	95.2	96.1	9-6 • 6	97.2	97-4	9.7.5	97.6	97•8	98.0	98.3	
3.9	95.7	96.6	97.2	97.8	97.9	981	98.2	98.4	98.6	988	
4.2	96.0	97.0	97.6	98.2	98.3	98.5	98.6	98.8	99.0	99•2	
4.2	96-1	97.1	97.7	98.4	98.5	9.8 • 7	98 • 8	99•0	99.2	99.5	
4.2	96.1	9-7 • 1	97.7	98.4	98.5	98.7	988	99.1	993	99.8	
4.2	96.1	97.1	97.7	98.5	98•6	98.8	98.9	99.2	99.5	99•9	
4.2	96-•1	97-1	97.7	98.5	98.6	98.8	98.9	99.2	99.5	100.0	

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE O FROM HOURLY OBSER

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

	LING IN I							/ISIBILI GE		-
	ET	GT 16 C	GE 90	GE 80	GE 60	GE 48	GE 4 0	3 E	G € 24	GE 20
		TO:						ے د • • • • • • •		
• • •	• • • • • • • •	••••	• • • • • • • •	• • • • • •						
N C	CEIL	1 • 4	40.8	41.1	42.6	43.8	44,1	44.5	44.7	44.9
GE	200001	1.7	44.7	45.1	47.0	48.4	48.9	49.3	49.6	49.7
	186 00	1.7	44.7	45.1	47.e	48.4	48.9	49.3	49.6	49.7
	16000	1.7	44.7	45.1	47.0	48.4	48.9	49.3	49.6	49.7
GE	140001	1.7	44.7	45.1	47.0	48.4	48.9	49.3	49.6	49.7
GE	12000	1.7	45.5	45.9	47 • 8	49.2	49.7	50.1	50.4	50.5
GE	100001	1.7	46.6	47.1	49.2	51.1	51.6	52.0	52.2	52.4
GE	90001	1.7	47.6	48.3	50.4	52.2	52 • 8	53.2	53.4	53.6
G E	3000.	1.7	49.2	49.9	52.0	53.9	54.5	54.9	55.1	55.3
GE	7909.	2.1	. 51.1	51.7	54 • 1	56.1	56.6	57.0	57.2	57.4
GE	6000	2.2	51.7	52.8	55.1	57.1	57 • 6	58.0	58.3	58 • 4
G E	50001	2.4	57.2	58.4	60.9	63.4	63.9	64.6	64.9	65.0
GE	45001	2.4	60.0	61.2	63.8	66.6	67.1	67.8	68.0	68.2
GE	40001	2.4	62.4	63.6	66 • 4	69.3	69.9	$7_{9}.7$	70.9	71.1
GΕ	35 00	2.4	64.3	65.9	68.8	72.1	72.9	73.7	73.•9	74.1
GE	30 00 F	2.6	70.G	71.6	74.7	78.3	79.1	7-9 • 9	80.3	80.4
GE	2500	2.8	71,7	73.4	76.7	80.3	81.1	8-1 - 8	82.2	82.4
GE	2000	2.8	74.7	76.4	79.9	83.4	84.3	85.1	85.5	85.7
GE	1800	7.2	76.2	77.9	81.3	84.9	85.8	86.6	87 <b>.</b> G	87.1
GE	1500	3.3	78.2	79 -9	83.3	87.D	87.9	88.8	89.2	89.3
GE	1200	3.6	79.9	81.6	85.1	88.9	89.9	90.8	91.2	91.3
6 E	1000	4.2	82.0	83.7	87 • 4	91.2	92.1	93.0	93.4	93.6
GE	900	4.5	82.4	84.1	87.9	91.7	92.9	93.9	94.3	94.5
GE	1008	4.7	83.0	85.0	38.9	92.9	94.2	95.3	95.7	95.8
GE	7 o c l	4 7	83.7	85.7	89.7	93.7	95.0	96.1	96.4	96 •€
GE	6001	4.7	33.8	85.8	89.9	93.8	95.1	96.3	96.7	96.8
GE	500	4 • 7	84.5	85.4	90 • 5	94.6	95.9	97.4	97.8	97.9
GE	400	4.7	84.9	86.8	90.9	95.0	96.3	97.8	98.2	98.3
GE	300	4.7	84.9	86.8	90.9	95.0	96.3	97.8	98 - 2	9.8 • 3
										9.8 3
GE	1001	4.7	85.0	87.0	91-1	95-1	96.4	97.9	98.3	98.4
6 E	01	4.7	85 ជ					97.9	98.3	98.4
	01	4.7		87.0	91 • 1	95.1	96.4			98.

# FROM HOURLY OBSERVATIONS

• •	VISTRI	TTY TN	HUNDRED:	. OF MF				(LST)::			•
	GE	GE TILL TW	GE	GE	GE GE	GE	GE	GE	GE	GE	
Ü	32	24	20	16	12	10	8	5	4	0	
• •			• • • • • •					• • • • • • •			•
1	445	44.7	44.9	45.0	45.0	45.3	45.3	45.3	45.8	45.9	
9	49.3	49.6	49.7	49.9	49.9	50.1	50.1	50.1	50.7	50.8	
9	49.3	49.6	49.7	49.9	49.9	50.1	50.1	50.1	50.07	50.8	
9	49.3	49.6	49.7	49.9	49.9	50.1	50.1	50.1	50.7	50.8	
9	49.3	49.6	49.7	49.09	49.9	50.1	50.1	50.1	50.7	50.8	
7	50.1	50.4	50.5	50.7	50.7	50.9	50.9	50.9	51.4	°51,6	
b	52.0	52 • 2	52-4	52.6	52.6	52.9	52.9	52.9	53.4	53.6	
8 5	53.2	53.4	53.6	53.8	53•8	5.4 •,1	54.1	54.1	54.6	54.7	
5	54.9	55.1	55.3	55.5	55.5	55.8	55•8	55 • 8	56.3	56.4	
E	57.0	57.2	5.7.4	57.6	57.6	57.9	57.9	57.9	58.4	58.6	
t	58.0	58.3	58.4	58.7	58.7	58.9	58.9	58.9	59.5	59.6	
9	64.6	64.9	65.0	65.3	65.3	65.5	65.5	65.5	66.1	66.2	
9	67.8	68.0	68.2	68.4	68.4	68.7	68•7	68.7	69.2	69.3	
9	79.7	70.9	71.1	71.3	71.3	71.6	71-•6	71.6	72-1	72.2	
9	73.7	73.9	74.1	74.3	74.3	74.6	74.6	74.7	75.3	75.4	
1	79.9	80.3	80.4	80.7	80.7	80.9	80.9	81.1	81.6	81.7	
1	81.8	82.2	82.4	82.6	82•6	82.9	82.9	83.0	83.6	83.7	
3	85.1	85.5	85.7	85.9	85.9	86.2	86.2	86.3	86 • 8	87.0	
8	86.6	87.0	87.1	87.4	87.4	87.6	87.6	87.8	88.3	88.4	
9	88.88	89.2	8-9 - 3	89.6	89.6	89.9	89.9	90.0	90.5	90.7	
9	90.8	91.2	91.3	91.6	91.6	918	91.8	92 • <sub>0</sub>	92.5	92.6	
1	93.0	93.4	93.6	93.8	93.8	94.1	94.1	94.2	94.7	94.9	
9	93.9	94.3	94.5	94.7	94.7	95.0	95.0	95.1	95.7	95•8	
2	95.3	95.7	95.8	96.1	96.1	96.3	96.3	96.4	97.0	97.1	
Ü	96.1	96•4	96.6	96 • 8	96.8	97.1	97.1	97.2	97.8	97.9	
1 9 3 3 4	96.3	96.7	96.8	97.1	97.1	97 • 4	97.4	97.5	98.0	98.2	
9	97.4	97.8	97.9	98.3	98.3	98.6	98.6	98.7	99.2	99.3	
3	97.8	98-• 2	98.3	98.7	98.7	98-•9	98.9	99.1	99.6	99.7	
3	97.8	98 • 2	98.3	98.7	98.7	98-•9	98.9	9941	99.6	99.Ť	
3	97.8	98.2	98.3	98.7	9.8 • 7	98-•9	98.9	9.9.1	99.6	97.7	
4	97.9	98.3	98.4	98.8	98.8	99.1	99.1	99•2	99•7	99.9	
4	97.9	98.3	98.4	98.8	98.8	99.1	99.1	99.2	99.7	100.0	

 $\Theta$ 

ĺ,

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CE	ILING		•••••	• • • • • •		• • • • • •	• • • • • •		• • • • • •	
	IN 1	GT	GE	GE	C.E.	0.5		VISIBIL		HUNDR
	EET I	160	90	80	GE	GE	GE	GE	GΕ	GE
	•		70		60	48	40	32	24	2
- •		• • • • •	• • • • • •	• • • • • • •	• • • • • •					
N O	^671 l									
1V G	CEIL	• 7	23.3	24.9	27.7	29.8	30.2	31.7	32.3	32.
										0
	100001	1.6	27.4	29.1	32.6	34.9	35.5	36.9	38.0	7.0
	180001	1.6	27.5	29.2	32.7	35.1	35.6	37.0		38.
ĢΕ	160001	1.6	27.5	29.2	32.7	35.1	35.6		38.1	38-•
GE	140001	1.7	27.6	29.3	33.1	35.6		37.0	38.1	38.
	120001	1.7	28.0	29.8			36.1	37.6	38.6	39.
-		4-7 1	20.0	27 + 0	336	36.1	36.6	38.1	39.1	39.
G E	100001	1.7	70 (	~ ~ .						
GE	90001		30.6	33.1	37.2	39.9	40.6	42.8	43.2	43.
		1.7	30.9	33.6	37.7	40.4	41.2	42.7	43.8	44.
GE	80001	1.7	32.5	35.3	39 • ც	42.5	43.3	44.9	46.1	46.
GE	7000	1.7	33 • 1	36.C	40.6	43.3	444	45.9	47.1	4.7.
GE	60001	1.7	33-∙8	36.8	41.5	44.2	45.3	46.9	48.0	48.
					1	77 - 14	4343	70.7	40.0	48.
SE	50001	1.8	37.8	40.8	45.9	49.2	56.3	FO "	== -	-
GE	45001	2.0	41.2	44.4	49.6			52.4	53.8	54.
GΕ	40001	2.1	44.5	48.0		52.9	53.9	56.2	57.7	58.
GE	35001	2.1	46.1		53.7	57.1	58.1	60.6	62.2	62.
G F.	30001			49.6	55 • 4	58 • 9	60.1	62.6	64.3	65.
G i.	20001	2.1	50.3	53.9	59.9	63.6	64.8	67.7	69.5	70.
								•	07.0	
ΩE	2500	2.4	52.2	55.9	62.6	66.2	67.4	70.3	72.3	73.
GE	2000	2.5	55.4	59.0	65.8	69.8	71.1	74.0	75.9	76.
G E	1800	2.6	56.7	68.3	67.4	71.3	72.6	75.5	77.5	
G E	1500	2.7	58.8	62.6	69.6	73.7				78.
GE	12001	2.9	59.9	63.9	71.1	75.3	75.0	78.0	80.0	80.
	•		0.07	03.7	11.1	15.3	76.7	79.7	81.8	82.,
GE	1000	3.0	61.5	6 6 3	777 4	~~ -				
GE	908	3.0		66.1	73.4	77.9	79.3	82.5	847	85.5
GE	8601	3C	61.6	66.5	74 • 1	78.5	80.1	83.5	85.7	86.!
6 E			62.4	67.4	75.0	79.5	81.2	84.6	86.9	87.
	7501	3.3	63.5	68.5	76.7	81.5	83.2	86.9	89.4	90.2
G-E	6001	3.3	63.7	68.7	77.2	82 - 1	83.9	87.7	90.2	91.6
										71.
θE	5001	3.3	64.4	69.5	78.1	83.2	85.3	89.7	92.1	00 :
GĒ	400 (	3.3	64.4	69.5	78 • 3	23.4	85.5			92.5
GE	3 ü0	3.3	64.4	69.5		83.4			92.4	93.2
GE	2001	3.3	64.4	69.5	78.3		85.5		92.5	93 3
Gε	100	3.3	64.4	69.5			85.5	90 • 1		93.5
		J • J	V <b>7-#</b> ₹	04.2	78.3	83.4	85.5	90.1	92.5	93.5
GE	n ı	7 7	<i>.</i>						•	į
	٥١	3 • 3	64.4	69.5	78 • 3	83.4	85.5	90.1	92.5	93.5
	••••			• • • • • •	• • • • • • •	• • • • • • •		70 -1		
									•	

# UENCY OF OCCURPENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

RD	UK						RD: 75-			00	)
			HUNDREDS						_		ر
	GE	GΕ	GE	GE	GE	GE	GE	GE	GE	GE	
-	32	2-4	20	16	12	10	8	5	4	0	**
• • •	* * * * * *	• • • • • • •	• • • • • • •		• • • • • •	• • • • • • •			• • • • • •	• • • • • • • • • •	
2	31.7	32.3	32.9	33.6	3-3.8	34.3	34.3	34.6	35.3	36.3	1
5	36.9	38.0	38.5	39.4	39.5	40.1	40.1	40.3	4-1 - 1	42.0	
5	37.0	38.1	38.6	39.5	39.7	40.2	40.2	40.4	41.2	42.1	I
<b>.</b>	37.0	38.1	38.6	39.5	39.7	40.2	40 • 2	40.4	41.2	42.1	~
l	37.6	38.6	39.1	40.1	40.2	40.7	40.7	41.0	41.8	42.7	_
Š	38.1	39.1	39.7	40.6	40.7	41.2	41.2	41.5	42.3	43.2	j
	42.0	43.2	43.7	44.8	44.9	45.4	45.4	45.7	46.5	47.4	
2	42.7	43.8	44.4	45.4	45.7	46.2	46.2	46.5	47.3	48.2	j
3	44.9	46.1	46.6	47.6	47.9	48.4	48.4	48-7	49.5	50.4	***
ŧ	45.9	47.1	47.6	48.7	49.0	49.5	49.5	49.7	50.5	51.4	
5 22 3 3 4 4 3 3 3 4 4 1 1 1 1 1 1 1 1 1 1 1	46.9	48.0	48.6	49.6	49.9	50.4	50.4	50.7	51.4	52.4	Ĵ
3	52.4	53.8	54.5	55+5	55.8	56-4	56.4	56.7	57.5	58.4	
7	56.2	57.7	58.4	59.6	59.8	60.5	60.5	60.7	615	62.4	J
l	60.6	62.2	6.2 • 8	64.1	64.4	65.1	65.1	65.3	66.1	67.0	
L	62.6	64.3	65.1	66.4	66.6	67.3	67.3	67.5	68.3	69.4	
•	67.7	69.5	70 • 3	71.6	719	72.5	72.5	72.8	73.6	74.6	Ĵ
ŧ	70.3	72.3	73.0	74.3	74.6	75.3	75.3	755	76.3	77.4	
l	74.0	75.09	76.7	78.0	78.3	78.9	78.9	79.2	80.0	81.0	J
5	75.5	77.5	78.3	79.6	79.8	80.5	80.5	80.8	81.5	82.6	
)	78.0	80.0	8.08	82.1	82.3	83.0	83.0	83.2	84.0	85.1	
) 7	79.7	81.8	8-2 • 6	84.0	843	84.9	84.9	85.2	86.0	87.0	)
3 1 2	82.5	84-7	85.5	86.• 9	87.2	87 - 3	87-8	88.1	88.9	89.9	
i	83.5	85.7	86.5	88.0	88.2	88.9	88.9	89.1	89.9	91.0	Ĵ
2	84.6	86.9	87.7	89.1	89-4	90.1	90.2	90.4	91.2	923	-
?	86.9	89.4	90.2	91.8	92.0	92.7	92 • 8	93.1	93.8	94.9	
7	87.7	90.2	91.0	92.5	92.8	93.5	93.6	93.8	94-6	95.7	J
3	89.7	92.1	92,9	94.6	94.9	95.5	95.7	95.9	96.7	97.8	
3 5	89.9	92.4	93.2	95.2	95.4	96.1	96.2	96.5	97.3	9.8.3	)
	90.1	92.5	93.3	95.3	95.5	96.2	96.3	96.7	97.5	98 <sub>•6</sub>	س
>	90.1	92.5	93.5	95.4	95.7	96.3	96.6	97.0	97.8	988	
5	90.1	92.5	9 3,• 5	95.4	95.7	96.3	96 • 6	97.0	97.8	99.6	
5	90.1	92.5	93.5	95.4	95.7	96.3	96.6	97.0	97.0	100.0	
• • •	• • • • •		• • • • • • •			6 616-8 6 <sup>-</sup> 6 61	• • • • • • •	• • • • • • •	• • • • • •	• • • • • • • • • • •	0
						-					يهر
											C

1

**(** 

(

C

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

										• •
CEIL	ING	• • • • •		• • • • • •	• • • • • • •	-, . ,	V	ISTBILI		
IN		GT	GE	GE	GE	GE	GE	GE	GE	•
	T	160	9.0	80	60		40	32	24	
										• •
										ì
NC C	EIL I	• 7	17.8	18.9	22.1	23.9	24.4	25.0	25.8	2
		_					***	m.a	22 6	-
	00001	2.0	23.2	24.5	28.3	30.9	31.7	32.4	33.5	3 3
	100081	2.0	23.3	24.6	28 • 4	31.1	31.8	32.5	33.6 33.6	3 3
	6000	2.0	23.3	24.6	28.4 28.7	3 <sub>1•1</sub> 31.4	31.8 32.1	32.5 32.9	33.9	3
	14000   12000	2.2 2.4	235 245	24.9 25.9	29.7	32.5	33.2	34.1	35.1	. 3
GE 1	120001	2.4	24.63	23.7	47 • 1	24 + 3	23.7	34.1	33.1	, ,
GE 1	loc on l	2.9	26.9	28.4	32.7	35.5	36.3	37',2	38.4	3
GE	90001	2.9		28.8	33.2	36.1	36.9	37.8	38.9	3 3
GE	80001	3.1		31.4	36 • 4	39.7	40.5	41.5	42.8	4
GΕ	70001	3.2	30.8	32.4	38.7	41.9	42.8	43.7	45.0	4
GE	60001	3.2	31.7	33.2	39.5	42.8	43.6	44.6	46 • 0	4
GE	50001	3.3	36.4	39.1	45 • 2	48.5	49.6	50.8	52.3	5
GE	4500	3.8	39.1	40.9	48.0	51.5	52.6	54.0	55 • 6	5
6 E	4000	3.9	42.5	44.3	51.5	55.3	56 • 4	57.9	59-∙ S	6
5 E	3500	3.9	43.5	45.4	52.6	56.4	57.5	59.43 66.1	60.8 67.6	6 6
GE	30001	3.9	ц8.3	50.5	58.3	62.6	63.7	00.1	01.0	C
GE	25001	4.1	49.5	51.7	59.7	64.0	65 • 2	67.9	69.7	7
GE	20001	4.2	52.6	55.0	63.2	67.5	68.7	71.3	73.1	7
6 E	1800	44	53.3	55.7	64.3	68.6	69.8	72.4	74.2	7
GE	1500	5.0	55.9	58.7	68.0	72.4	73.6	76.2	78.1	7
GE	12001	56	58.3	61.1	71.0	75.6	76 • 8	80.0	82.0	8
										-
GE	1000	5.7	59.5	62.6	72.9	78.0	79.3	82.9	849	8:
GE	900]	6.2	60.7	63.8	74 • 3	79.8	81.1	84.9	87.0	8:
GE	8001	6.2	60.9	64.4	75.1	80.9	82.2	86.1	88.2	8′
GE	700	6.2	61.5	65.1	76 • 5	82.4	83.8	87.8	90.C	9
GE	6001	6.2	61.5	65.1	76 • 6	83.0	84.5	88•9	91.2	97
~ F	500]	6.2	61.5	45 1	76 9	Q7 7	84.7	89.4	91.8	9:
G E	-		61.5					90.0	92.4	91
GE			61.5					90.2		91
σE			61.5							91
GE			61.5							91
										-
GΕ	01		61.5							94
• • •	,		• • • • • • •			• • • • • •	• • • • • • • •	• • • • • • •	• • • • • •	• •.• •

# JENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

00		80-009	76,80-8 LST): 0	HOURS (	MAY	MONTH:		,		UK
	• •	••••	• • • • • •	• • • • • •		FRS	OF MET	UNDREDS	TV TN F	,   C T R T   T
GE		GE	GE	GE	GE	GE		GE	GĒ	GE
0		4	5	8				20		32
		4 4-0 4 4 4								32
28.3		28.0	27.7	27.6	27.5	27 • 2	27.1	26.4	25.8	25.0
36.3		36 • O	35•6	35.4	35.2	35.0	34.9	34.2	3-3.5	32.4
36.4		36 • I	35.7	35.5	35.4	35.1	35.0	34.3	33.6	32.5
36-₄4		36.1	35.7	35.5	35.4	35.1	35.0	34.3	33.6	32.5
36.8		36.4	36.1	35.8	35.7	35.5	35 • 4	34 • 6	33.9	32.9
38.0		37.6	37.3	37.0	36 • 9	36.7	36,6	35.8	35.1	34.1
41.3		41.0	40.6	40.4	40.3	40.0	39.9	39.1	38.4	37.2
		41.6	41.2	41.0	40.9	40.6	40.5	39.7	38.9	37.8
45.8		45.4	45.0	448	44.7	44.4	44.3	43.5	42.8	41.5
48 • n		47.7	4.7 • 3	47.1	47.0	46 • 7	46.6	45.8	45.0	43.7
49.0		48.6	48.3	48.0	47.9	47.7	47.6	46.7	46.0	44.6
55.7		55.3	55.0	54.7	54.6	54.4	54.2	53.3	52.3	50.8
59.0		58.7	58.3	58.1	57.9	57.7	57.5	56.5	55.6	54.0
63.1		627	62.4	62.1	62.0	61.8	61.5	60.6	59.5	57.9
64.5		64.2	63.8	63.6	63.4	63.1	62.8	61.9	60.8	59.3
71 • 4		71.1	70.7	70.5	70.4	70.0	69.8	68.8	67.6	66.1
11 + 4		/ 1 • 1	10.1	10.5	7 0.4	70.0	07.0	00.0	01.0	00.1
73.5		73.1	72.8	72.5	72.4	72.0	71.8	70.8	69.7	67.9
76.•9		76.6	76.2	76.0	75.9	75.5	75.3	74.3	73.1	71.3
78.0		77.7	77.3	77-•1	76.9	76.6	76.3	75.4	74.2	72.4
82.1		81.7	81.4	81.1	81.0	80.6	85.4	79.3	7-8.1	76.2
86 • Ü		85.7	85.3	85.1	84.9	84.6	84.3	83.2	82.0	80.0
89,0		88.6	88.3	88.1	87.9	87.6	87.3	86.1	84.9	82.9
91.0		_	90.3	90.1		89.6	89.4	88.2	87.0	84.9
						91.0		89-6		
						93.2			90.C	87.8
			95.1				94.1	92.8	91.2	88 • 9
97.1		96.7	96.3	95.9	95.8	95.5	95.2	93.8	91.8	39.4
98.3		97.8	97.5	97.1		95.3 96.7	96.3	94.4	92.4	90.0
99.0		98.6	98.1	97.1	97.5		96.7	94.7	92.6	90.2
						97.3				90.2
			98.7	98 • 1			96.8	94.7	92.6	
99.9		99.4	98.8	98.1	71.8	97.3	96.8	94.7	92.6	90.2
100.0		99.4	98.8	98 • 1	97.8	97.3	96.8	94.7	92.6	90.2
••••	• •-	• • • • • •		• • • • • •	• • • • • •		• • • • • • •			

J

Ĵ

O

0

USAFETAC AIR WEATHER SERVICE/MAC

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF FROM HOURLY OBSERV

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

		• • • • •		u-+ + + + + +				ISIBILI		
	ING	, m. mg*	~ =	<b></b>	~-	c c				
I	-	GT	GE	GE	GE		GE	GE		GE
FE	ET	160		80	60		4 C		24	20
• • •	• • • • • •		• • • • • • •	• • • • • •	• • • • • • •			• • • • • •		•••••
N C	CEIL	1.9	21.2	22.0	23 +8	24.8	24.8	25.1	25.1	25.1
GE :	200001	3.5	27.0	27.9	30.1	31.4	31.4	31.7	31.7	31.7
	18000	3.5	27.0	27.9	30 - 1	31.4	31.4	31.7	31.7	31.7
	16000	3.5	27.0	27.9	30.1	31.4	31.4	31.7	31.7	31.7
	140001	3.5	27.2	28.1	30.4	31.7	31.7	31.9	31.9	31.9
	12000	3.8	27.9	29.0	31.3	32.6	32.6	32.9	32.9	32.9
OL.	120001	3.0	2107	27.0	31.3	52.70	52.0			
GE	10000	4.4	30.6	31.9	34.5	35.9	35.9	36.2	36.2	36.2
GE	90001	4.5	30.7	32.2	35.2	36 • 6	36.6	36.9	36.9	36.9
6 8	8000 L	4.6	34.0	35.6	39.0	40.8	40.8	41.1	41.3	41.3
		4.7	34.8	36.3	39.8	41.6	41.6	42.0	42.1	42.1
Gŗ	7000		36.5	38.1	41.6	43.4	43.4	43.7	43.9	43.9
GE	6000 l	5.2	20.3	30 • 1	41.40	42.4	73.7	43.7	73.7	7 J-4 7
GΞ	50001	6.6	43.4	45.0	48 • 8	50.8	50.8	51.2	51.3	51.3
üΕ	45 û 0	7.1	47.0	48.8	52.6	54.7	54.7	55.1	55.2	55.2
						61.3	61.5	62.1	62.2	62.2
GE	40001	7.6	53.3	55.1	59.2					
GE	32001	7.7	57.1	58.9	63 • 0	65.1	65.2	65.8	66.0	66.0
GE	3:00	3.2	64 • 4	66.5	71 • 4	73.6	73.8	74.5	74.6	74.6
<i>(-</i> C	25 (12.1	o (		(0.0	70 -	76 "	5/ E	77.2	77.3	77.3
GE	25 00	8.6	66.9	69.0	74 • 1	76.4	76 • 5		83.2	
G E	20001	9.7	72.3	74.6	79.8	82.2	82.3	83.0		83.2
6 E	1800	10.9	74.0	76.4	81.6	83.9	84.0	84.9	85.2	85.2
GE	1500	11.0	77.0	79.6	85-1	87.7	87.8	88.8	89.2	89.2
GE	1200	11.6	79.9	83.0	89.2	92.1	92.6	93.9	94.3	94.4
G E	1000	11.6	81.2	845	91.7	947	95.3	96.8	97.3	97.4
				84.6	91.8	94.8	95.4	97.G	97.5	97.6
GE	900		91.3				96.1	97.8	98.2	98.5
GE		11.6	81.3	84.6	92.2	95.5				
GE	700	11.6	81.3	84.6	92.2	95.5	96 • 1	98.0	98.5	98.7
CE	1003	11.6	81.3	846	92.2	95.5	96.2	98.1	98.6	98.9
e	r 00 l	11 (	01 7	04 6	02.2	0E E	06.2	98.2	09 7	99.1
GE		11.6	81.3	84.6	92.2		96 • 2			
GE			81.3			95.7	96.5			99.5
GΕ			81.3		92.2			98.5		99.6
GE			81.3					98.5		99.6
GE	100-1	11.6	81.3	84.6	92.2	95 • 7	96 • 5	98.5	99.2	99.6
	_ •					05 -	~ ·	04: #	00.0	00 (
			81.3						99.02	99.6
					• • • • • •		• • • • • •	• • • • • •	• • • • • • •	

### QUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

	VISIBIL	ITY IN I	HUNDRED	S OF ME	TERS					•••••••
_	GE	GE	GE	GE	GĘ	GE	GE		GE	GE
	32	24	20		12			5	4	0
•	• • • • • •	• • • • • • •		•-••••	• • • • • •	• • • • • •	• • • • • •	• • • • • •	• • • • • •	• • • • • • • • • •
	06.1	25.4								
	25.1	25.1	25.1	25 • 1	25.1	25.1	25.1	25.1	25.1	25.1
	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7
	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7
	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7
,	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9
	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	329
				0007	~ ~ .	JEV	524.7	027)	0207	
)	36.2	36.2	36.2	36.2	36.2	36.2	36. • 2	36.2	36.2	36.2
,	36.9	36.9	36.9	36-• 9	36.9	36.9	36.9	36.9	36.9	36.9
	41-1	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
	42.0	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
	43.7	43.9	43.9	43.9	43.9	43.9	4.3.9	43.9	43.9	43.9
	51.2	51.3	5.1.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
	55.1	55.2	55.2	55.2	55.2	55.2	552	55.2	55.2	55.2
í	62-1	62.2	62.2	62 • 2	62.2	62.2	62.2	62.2	62.2	62.2
	65.8	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	6.6 • Q
	74.5	74.6	74.6	74 • 6	74.6	746	74 • 6	74.6	74.6	74 • 6
	77.2	77.3	77.3	77.3	77.3	77.3	773	77.3	77.3	77.3
	83.0	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
	84.9	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
	88.8	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
i	93.9	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
			•	. , .		7.7.				, , ,
	96.8	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97-4	97.4
	97.G	97.5	97.6	97.6	97.6	9-7.6	97.6	97.6	97-•6	97.6
	97.8	98.2	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98•5
	98.0	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98:•7	98.7
	98.1	98.6	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2
	~ · ·	00 =	00.4	0.6	~ ~					
	98.2	98.7	99.1	99.4	99.4	99.4	99-•4	99.4	99.4	99.4
	98.5	99.2	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99•9-
	98.5	99.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	98.5	99.2	99.•.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	98.5	99.2	99.6	100.0	100.0	100.0	100.0	1.00.0	100.0	100.0
	98-•5	99.2	99.6	100.0	100.0	100.0	1000	1.00 • 0	100.0	100.0
						-				

STATION	NUMBER:	036440	STATION	NAME:	RAF	FAIRFORD UK
---------	---------	--------	---------	-------	-----	-------------

* * * * * * * * * * * * * * * * * * *	• • • • •	• • • • • • •						* * * * * * * *	*****
CEILING	_						VISIBILI		
IN	GT	GE	ΘĘ	GE	GE		GE	GE	GE
FELT	160	90	80	60		40		24	20
				•					
NC CEIL	2.2	23.5	23.8	24.7	24.8	24.8	24.8	24.8	24.8
		2000	23.0						2 ,
GE 200001	4.4	31.4	31.9	32. 9	33.1	33.1	33.1	33.1	33.1
GE 18000	4.4	31.4	31.9	32 • 9	33.1	33.1	33.1	33.1	33.1
GE 16000	4.4	31.4	31.9	32.9	33.1	33.1	33.1	33.1	33.1
GE 14000	4.4	31.7	32.2	33.3	33.4	33.4	33.4	33.4	33 • 4
GE 12000	4.8	32.2	32.9	34.1	34.3	34.3	34.3	34.3	34.3
·									
GE 100001	5. 4	36.0	36.9	38 • Š	38.4	38.4	38.4	38.4	38.4
GE 9500	5.4	36.5	37.4		39 . 0	39.0	39.0	39.0	39.0
·				38.9					
GE 8000	5.4	39.4	40.4	42.0	42.3	42.3	42.5	42.5	42.5
GE 70001	5.6	40.1	41.1	43.0	43.2	43.2	43.5	43.5	43.5
GE 6000	5.9	41.7	42.6	44.6	443	44.8	45.0	45.0	4-5.0
GE 5000	7.3	51.1	52.1	54.0	54.4	54.4	54.6	54.6	54.6
GE 4500	8.0	57.7	58.7	60.7	61.1	61.1	61.3	61.3	61.3
	8.3	64.3	65.4	67.8	68.1	68.1	68.4	68.4	68.4
· ·									
GE 35001	9.3	69.8	70.9	73.45	74.1	74.1	74.4	74,4	74.4
6E 3000	9.2	76.8	78.0	80.6	81.2	81.2	81.4	81.4	81.4
GE 25001	10.1	20.4	81.6	84.2	84.8	84.8	85.0	85.0	85.0
GE 2000		85.3	86.9	90.3	91.4	91.4	91.6	91.7	91.7
GE 18001		85.7	87.4	90.9	92.0	92.0	92.2	92.3	92.3
GE 15001		87.5	89.5	92.9	94.4	94.4	94.6	94.7	94.7
							96.6	96.9	96.9
GE 1200]	11.5	88,4	90.4	94.1	95•9	96.2	96.6	90.9	90.9
_				-	_				
GE 10001		89.0	91.1	95.1	97.0	97.2	98.2	98+4	98.4
6E 9001	11.5	89- G	91.1	95.3	97.2	97.5	98.6	98.8	9.8.8
GE gool	11.5	89.0	91.1	95.3	97.5	97.8	98.9	99.2	99.3
GE 7001		99.0	91.1	95.4	97.7	98.1	99.3	99.5	99.8
GE 6071	11.5	89.0	91.1	95.4	97.7	98.1	99-13	99.5	99.8
00 0000	Å T • □5	09.0	71.1	75 , 4	71.1	76.1	77.13	,,,,	,,,,
المصروع وسير		00 -		05 "	67.7	06.	00 "	00.5	00.0
	11.5	89.0	91.1	95.4	97.7	98.1	99 • 3	99.5	99.8
		29.0	91.1		97.7	98.1	99.•3	99.6	99.9
GE 3ool	11.5	89.0	91.1	95•4	97.7	98.1	99.3	99.6	99.9
GE 2001			-	95.4	97.7	98.1	99.3	99.6	99.9
_	11.5	89.0	91.1		97.7		993	99.6	99.9
					<b>.</b> .	1	- / 4 2	,,,,,	,
ce ni	11 0	89.0	01 1	QE //	07 7	00 1	00.7	00 4	99.9

GE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

•••••• V	ISIBIL	CTY İN H	UNDRED	S OF ME	TERS		• • • • • • •	• • • • • • •	• • • • • • •		•
GE		GE				GE	GE	GE	GE	GE	
40	32	24	2.0	16	12	1.0	8	5	4	0	
• • • • •			* * * * * * *	• • • • • •	*- * * * * * *	• • • • • •-•	• • • • • •	• • • • • • •	• • • • • •		•
24.8	24.8	24.8	24.8	24 • 8	24.8	24.8	24.8	24.8	24.8	24.8	
3.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	
3.1	3.3-• 1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33,1	33.1	
3.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	3-3 • 1	
3.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	
4.3	34.3	34.3	34.3	34.3	34.3	34 • 3	34.3	34.3	34.3	34.3	
E . 4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	
9 · 0	39.0	39.0	39.0	39.D	39.0	39.0	39.0	39.0	39.0	39.0	
2.3	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	
3.2	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	
4.8	45.0	45.D	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	
4 • 4	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	
1 • 1	61.3	61.3	61.3	61.3	61.3	6.1 • .3	61.3	61.3	61.3	61.3	
8.1	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	
4.1	74.4	74.4	74.4	74.4	74.•4	74.4	74.4	74 • 4	74-4		
1.2	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	
<b>4.•</b> 8	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	
1.4	91.6	91.7	91.7	9.1 • 7	91.7	91.7	91.7	91.7	91.7	91.7	
2.0	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	
4.4	94.6	94.7	94.7	94.7	94.7	94.7	94.7				
6.2	96.6	96.9	96.9	96 • 9	96.9	96.9	96.9	96.9	96.9	96.9	
7.2	98.2	98.4	98.4	98 • 4	98.4		98.4	98.4			
7.5	98.6	98.8	9-8.8	98.8	98•8	98 • 8	98.8	98 • 8			
7.8	98-49	99.2	99.3	99.3	99-3	99.3	99.3	99•3	99.3	99.3	
8.1	99.3	99.5	99.8	99.8	99-•8	99.8	99.8	99.8	99.8	99.8	
e• 1	99,3	99.5	99.8	99.8	99.8	99.8	99 • 8	99.8	99.8	99•8	
8.1	99-•3	99.5	99.8	99•8	99•8	99.8	99.8	99.8	99.8	99.8	
8.1	99.3	99.6	99.9	100.0	100.p	100.0	100.0	100.0	100.0	100.0	
8.1	99.3	99.6	99.9	100.0	100.Ó	100.0	100.0	100.0	100.0	100.0	
e. 1	99.3	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
8.1	99.3	99•6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
8.1	99.•3	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100 • 0	

USAFETAC AIR WEATHER SERVICE/MAC

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE: FROM HOURLY OBSE

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

	LING			• • • • • •	•••••		• • • • •	VISIBILI	* * * * * * * * * * * * * * * * * * *	• • • • i
		. ~		c =	cr	C.C.				-
I	•	u.	GE	GE	GE	GE	GE		GE	GE
	ET ]	150	90		6 G			32		
• • •	4.8 0 0 8 5 6	• • • • •	• • • • • • • •	• • • • •	• • • • • • •			• • • • • • •	• • • • • •	
Ni O	CETL	2 (	25 11	25 0	24. 2	2/ /	, ,	24.	26.6	26
14 0	CEIL	2.6	25.4	25.8	26.2	26.6	26.6	26 • 6	26.6	26.
c -	30000 t	e	75.0	3/ 3	7, 7	77 0	77 C	77.0	77.0	<b>7</b> 7
	200001	5.3	35.8	36.3	36.7	37.0	37.0	37.0	37.0	37.
	180001	5.3	35.8	36.3	36.7	37.0	37.0	37.0	37.0	37.
	16000	5.3	35.8	36.3	36 - 7	37.0	37.0	37.0	37.0	37.
	14000	5.3	35.3	36.3	36.7	37.0	37.0	37.0	37.0	37.
GE	12000	5.9	37.1	37.6	38.J	38.3	38.3	38.3	38.3	38•
					4-				1. 4	
	10000	6.6	39.7	40.1	40.0	41.0	41.0	41.0	41.0	41.
5 E	9000	6 • 7	40.6	41.1	41.6	41.9	41.9	41.9	4-1 9	4.1 •
GE	80001	6.7	46.D	46.5	47.6	48.0	48.0	48.D	48.0	48.
e e	70001	6.7	46.9	47.4	48.7	49.2	49.2	49.2	49.2	49.
GE	6000-	7.2	49.6	5.J.2	51.7	52.2	52.2	52.3	52,3	52.
~ <b>*</b>	-0.001	- F	E5 /			<i>(</i> ) <i>(</i> )		, o =	40 F	4.0
GE	5000	8.5	59.6	66.3	61.9	62.4	62.4	62.5	62.5	62.
GE	4500	9.0	66.0	66.7	68 • 3	68.8	68•-8	68.9	69. <sub>0</sub>	69•
GE	4000	9.4	74.0	74.8	76.6	77.0	77.0	77.2	77.3	77.
GE	35 pp	10.1	78.8	79.7	81.6	82 - 1	82.1	82.2	82.3	82•
GE	3000	10.7	34.9	8.5 .8	88.3	89.1	89.1	89-•2	89.3	89.
~ ~	25			00.0	00 7	01 (	01 (	01.7	01.0	0.1
GE	2500		87.3	88.2	90.7	91.6	91.6	91.7	91.8	91.
Ġ E	2000	_	88.6	90.0	92.7	93.9	93.9	94.0	94.1	94.
GE	1800		88.6	90.0	92 . 8	94.1	94.1	94.2	94.4	94.
GE	1500	11.7	90.6	92.3	95 • 1	96.5	96.5	96.6	96.8	96.
GE	1200	11.9	91.5	93.1	96 • 2	97.8	98•D	98.1	98.2	98.
r- r-	10001	11.0	00.	02.0	. 7 O	00.7	00 0	00.0	99.2	99.
GE	1000	11.9	92.1	93.9	97 • O	98.7	98.8	99.0		
G E	900		92.1	93.9	97.3	98.8	99.0	99.3	99.4	99.
GE	8 00	11.9	92.1	93.9	97 • 1	98.9	99.2	97.4	99.5	99.
G E	700	11.9	92.3	94.1	97 • 4	99.2	99.4	99.6	99.8	100.
G E	6001	11.9	92.3	94.1	97 • 4	99.2	99.4	99.6	99.8	100.
GE	5061	11 0	92.3	0/1 1	97 • 4	מ זעם	99.4	99.6	9.9 • 8	100.
GE	· ·		92.3		97 • 4			99-6		100.
GE	300		92.3					99.6		100.
GE			72.3					99.6		100.
G.E	1.00	11.9	92.3	94.1	97 • 4	99.2	99.4	99.6	99.8	100:
~ ~	ا م	• • •	00 7	0.0	07 %	00.0	00 "	00 (	00 0	100 -
GE								99.6		
• • •	• • • • • •	• • • • • •			• • • • • •			• • • • • • •	• • • • • • •	• • • • •

TOTAL NUMBER OF OBSERVATIONS: 832

### FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

• • • •	/ISIBIL:	ITY IN	HUNDRED	S OF ME	-	• • • • • •		• • • • • • •	• • • • • • •	
Ε	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
40	32	24	20	16	12	10	8	5	4	0
	• • • • • •		• • • • • •	• • • • • • •	• • • • • •	• • • • • • •		• • • • • • •	•••••	
6.6	26.6	26 • 6	26.6	26.6	26.6	266	26.6	26.6	26.6	26.6
7.0	37.0	37.0	37.0	37.0	37 • 0	37.0	37.0	37.0	37.0	37•p
7.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0
7.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0
7.0	37.0	37.0	37.0	37.0	37 <b>.</b> D	37.0	37.0	37.0	37.0	3,7.∙0
8.3	38.3	38.3	38.3	38.3	38.3	38.3	38 4-3	38.3	38.3	38.3
1.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
1. 9	41.9	41.9	41.9	41.9	419	41.9	41.9	41.9	41.9	41.9
8.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.D	48.0
9.2	49.2	49.2	49.2	49.2	49.2	49.2	492	49.2	49.2	49.2
2.2	52.3	52.3	5 2 - 3	52.3	52.3	52.3	52.3	52 <b>.</b> -3	52.3	52.3
2.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
8 • 8	68-•9	69 <b>.</b> 0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
7.0	77.2	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
2.1	82.2	85.3	82.5	82.5	8.2 • 5	82.5	82.5	82.5	82.5	82 <b>•</b> 5
9.1	89-•2	89.3	89.4	89.4	89.4	89.4	89•4	89.4	89.4	89.4
1.6	91.7	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
3.9	94.0	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
4.1	94.2	94 • 4	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
6.5	96.6	96.8	96.9	96.9	96•9	96.9	96.9	96.9	96.9	96•9
3.0	98.1	98.2	98.3	98.3	98.3	98.3	98.3	98•3	98.3	98.3
8.8	99.0	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99•3
9.0	99.3	99.4	99.5	99.5	99.5	99.5	99-•5	99.5	99.5	99.5
9.2	99.4		99.6		99.6					
9.4	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
9.4	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
9.4	99.•6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
9.4	99.6	99.8	100.0	100.0	100.0	100.0	100-0	100.0	100.0	100.0
9.4	99.6	998	100.0	1-000	100.0	100.0	100.0	100.0	100.0	100.0
9.4	99.6	99.8	100.0	100.0	100.0	100.0	100.0	1,00 • 0	100.0	100.0
9.4	99.6	99.8	100.0	100.0	100.0	100.0	100.0	1-00.0	100.0	100.0
9.4	99.6	99. 8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

	LING	••••	• • • • • • •		* * * * * * * * *			JSIBILI	TY IN	HUND
	IN	GT	GE	GE	GΕ	GE	GE	GE	GE	G
FE	-	160	<b>9</b> 0	80	60	48	40	32	24	
• • •	• • • • • • •	• • • • •	• • • • • • •		• • • • • • • • •			• • • • • •		• • • •
NC	CEIL	2.3	37.1	37.6	37.7	38.0	38.1	38.1	38.1	38
űΕ	200 00 1	3.5	45.6	46.4	46.6	47.0	47.1	47.1	47.1	47
	180001	3.8	45.9	46.7	46 • 8	47.3	47.4	47.4	47.4	47
	16000[	3.8	45.9	46.7	46.8	47.3	47.• 4	47.4	47.4	47
	14000	4.1	46.4	47.3	47.4	47.8	48.0	48.0	48. <u>0</u>	48
GE	12000	4.4	47.4	48.2	48.4	48.8	48.9	48.9	48.9	48
GE	10000	4.6	51.1	51.9	52.0	52.5	52.6	52.6	52.6	52
GE	9000	4.9	53.2	54.0	54,1	54.6	54.7	54.7	54.7	54
G E	80001	ų, Q	59.6	60.6	61.0	61.6	61.7	61.7	61.7	61
GE	70001	4.9	60.3	61.3	61.7	62.3	62.4	62.4	62.4	62
G E	60001	5.3	62.4	63.7	64.4	65 <b>.</b> G	65.1	65.1	65.1	65
6 E	5000[	5.6	68.4	69.8	70.6	71.3	71.4	71.4	71.4	71
GE	45001	5.6	73.6	75.2	76.4	77.1	77.2	77.2	77.2	77
GE	40001	6.0	66.0	81.9	83.0	84.0	84.1	84.1	84.1	84
GE	3500	6.0	82.7	84.8	85.9	87.1	87.2	87.3	87.3	87
GE	30001	e • 2	87.2	89.5	90.7	92.0	92.1	92.3	92.3	92
G E	25 001	6.2	88.3	90.6	92.0	93.2	93.4	93.5	93.5	93
GΕ	20001	6.2	89 3	92.1	93.7	95.4	95.5	95.6	95.6	95
GE	1800	6.2	89.5	92.4	94.0	95.6	95.8	96.1	96.1	96
GΞ	1500	6.2	90.2	93.2	95.1	96.9	97• D	97.5	97.5	97
GE	1200	6.2	96.4	93.7	95 • 5	97.3	97.5	98.0	98.0	98
6 E	1000[	6.2	90.7	94.0	95.8	97.6	97.7	98.3	98.3	98
GΕ	900	6.2	90.7	94.0	95.8	97.7	97.9	98.5	98.5	9.8
GE	8001	٤.2	¢0.9	94.1	95.9	98.6	98.2	98.7	98.9	99
GE	700	6.2	91.3	94.5	96.5	98.6	98.7	99.3	99.4	99
GΕ	600	6.2	91.3	94.5	96.5	98•6	98•9	99.4	99•6	100
GΕ	500	6.2	91.3	94.5	96.5	98.6	98.9	99.4	99.6	100
GE	400	6.2	91.3	94.5	96.5	98.6	98.9	99.4	99.6	100
GE	306-	6.2	91.3	94.5	96.5	98.6	98.9	99.4	99.6	100
GE	200	6.2	91,3	94.5	96 • 5	98.6	98.9	99.4	99.6	100
GE	100	6.2	91.3	94.5	96.5	98.6	98.9	99.4	99•6	100.
GE	0	6.2	91.3	94.5	96.5	98.6	98.9	9.9.4	99.6	100]
										0 - 0:0 0 1

TOTAL NUMBER OF OBSERVATIONS: 711

### FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

VIS GE 40 	SIBILI GE 32	TY IN 1 GE 2.4	GE GE 20	S OF ME GE 16	TERS GE 12	GE 1,0	GE 8	6E 5	GE 4 38.1 47.1 47.4 47.4 48.0 48.9	GE 0 38.1 47.1 47.4 47.4 48.0 48.9
40 	32 38.1 47.1 47.4 47.4 48.0 48.9 52.6 54.7 61.7 62.4 65.1	24  38.1 47.1 47.4 47.4 48.0 48.9 52.6 54.7 61.7 62.4	38.1 47.1 47.4 47.4 48.0 48.9 52.6 54.7 61.7 62.4	38.1 47.1 47.4 47.4 48.0 48.9 52.6 54.7 61.7	38.1 47.1 47.4 47.4 48.0 48.9 52.6 54.7	38.1 47.1 47.4 47.4 48.0 48.9 52.6 54.7	8  38.1 47.1 47.4 47.4 48.0 48.9 52.6	5 38.1 47.1 47.4 47.4 48.0 48.9	38.1 47.1 47.4 47.4 48.0 48.9	38.1 47.1 47.4 47.4 48.0 48.9
8.1 7.1 7.4 7.4 8.0 8.9 2.6 4.7 1.7 2.4 5.1	38.1 47.1 47.4 47.4 48.0 48.9 52.6 54.7 61.7 62.4 65.1	38.1 47.1 47.4 47.4 48.0 48.9 52.6 54.7 61.7 62.4	38.1 47.1 47.4 47.4 48.0 48.9 52.6 54.7 61.7 62.4	38.1 47.1 47.4 47.4 48.0 48.9 52.6 54.7 61.7	38.1 47.1 47.4 47.4 48.0 48.9 52.6 54.7	38.1 47.1 47.4 47.4 48.0 48.9 52.6 54.7	38.1 47.1 47.4 47.4 48.0 48.9	38.1 47.1 47.4 47.4 48.0 48.9	38.1 47.1 47.4 47.4 48.0 48.9	38.1 47.1 47.4 47.4 48.0 48.9
8.1 7.1 7.4 7.4 8.0 8.9 2.6 4.7 1.7 2.4 5.1	38.1 47.1 47.4 47.4 48.0 48.9 52.6 54.7 61.7 62.4 65.1	38.1 47.1 47.4 47.4 48.0 48.9 52.6 54.7 61.7 62.4	38.1 47.1 47.4 47.4 48.0 48.9 52.6 54.7 61.7	38.1 47.1 47.4 47.4 48.0 48.9 52.6 54.7 61.7	38.1 47.1 47.4 47.4 48.0 48.9 52.6 54.7	38.1 47.1 47.4 47.4 48.0 48.9 52.6 54.7	38.1 47.1 47.4 47.4 48.0 48.9	38.1 47.1 47.4 47.4 48.0 48.9	38.1 47.1 47.4 47.4 48.0 48.9	38.1 47.1 47.4 47.4 48.0 48.9
7.1 7.4 7.4 8.0 8.9 2.6 4.7 1.7 2.4 5.1	47.1 47.4 47.4 48.0 48.9 52.6 54.7 61.7 62.4 65.1	47.1 47.4 47.4 48.0 48.9 52.6 54.7 61.7	47.1 47.4 47.4 48.0 48.9 52.6 54.7 61.7	47.1 47.4 47.4 48.0 48.9 52.6 54.7 61.7	47.1 47.4 47.4 48.0 48.9 52.6 54.7	47.1 47.4 47.4 48.0 48.9 52.6 54.7	47.1 47.4 47.4 48.0 48.9	47.1 47.4 47.4 48.0 48.9	47.1 47.4 47.4 48.0 48.9	47.1 47.4 47.4 48.0 48.9
7.4 7.4 8.0 8.9 2.6 4.7 1.7 2.4 5.1	47.4 47.4 48.0 48.9 52.6 54.7 61.7 62.4 65.1	47.4 47.4 48.0 48.9 52.6 54.7 61.7	47.4 47.4 48.0 48.9 52.6 54.7 61.7 62.4	47.4 47.4 48.0 48.9 52.6 54.7 61.7	47.4 47.4 48.0 48.9 52.6 54.7	47.4 47.4 48.0 48.9 52.6 54.7	47.4 47.4 48.0 48.9	47.4 47.4 48.0 48.9	47.4 47.4 48.0 48.9	47.4 47.4 48.0 48.9
7.4 7.4 8.0 8.9 2.6 4.7 1.7 2.4 5.1	47.4 47.4 48.0 48.9 52.6 54.7 61.7 62.4 65.1	47.4 47.4 48.0 48.9 52.6 54.7 61.7	47.4 48.0 48.9 52.6 54.7 61.7 62.4	47.4 48.0 48.9 52.6 54.7 61.7	47.4 48.0 48.9 52.6 54.7	47.4 48.0 48.9 52.6 54.7	47.4 48.0 48.9	47.4 48.0 48.9	47.4 48.0 48.9	47.4 48.0 48.9 52.6
8.0 8.9 2.6 4.7 1.7 2.4 5.1	48.0 48.9 52.6 54.7 61.7 62.4 65.1	48.0 48.9 52.6 54.7 61.7 62.4	48.0 48.9 52.6 54.7 61.7 62.4	48.0 48.9 52.6 54.7 61.7	48.0 48.9 52.6 54.7	48.0 48.9 52.6 54.7	48.0 48.9 52.6	48.0 48.9 52.6	48.0 48.9 52.6	48.0 48.9 52.6
8.0 8.9 2.6 4.7 1.7 2.4 5.1	48.9 52.6 54.7 61.7 62.4 65.1	52.6 54.7 61.7 62.4	52.6 54.7 61.7 62.4	48.9 52.6 54.7 61.7	48.9 52.6 54.7	48·9 52·6 54·7	48·9 52·6	48.•9. 52. <sub>•</sub> 6	48.9 52.6	48•9 52•6
2.6 9 4.7 9 1.7 8 2.4 6 5.1	52.6 54.7 61.7 62.4 65.1	52.6 54.7 61.7 62.4	52.6 54.7 61.7 62.4	48.9 52.6 54.7 61.7	52.6 54.7	52.6 54.7	52.6	52.6	52.6	52•6
4.7 ! 1.7 ! 2.4 ! 5.1 !	54.7 61.7 62.4 65.1	54.7 61.7 62.4	54.7 61.7 62.4	54.7 61.7	54.7	54.7				
4.7 1 1.7 6 2.4 6 5.1 6	54.7 61.7 62.4 65.1	54.7 61.7 62.4	54.7 61.7 62.4	54.7 61.7	54.7	54.7				
1.7 8 2.4 8 5.1 6	61.7 62.4 65.1	61 · 7 62 · 4	6.1 • 7 62 • 4	61.7				204 - 1	54.7	54.7
2.4 6 5.1 6	62.4 65.1	62.4	62,4		~	0141	61.7	61.7	61.7	61.7
5.1 ( 1.4	65.1		•	V Z • 4	62.4	62.4	62.4	62.4	62.4	62.4
	71.U			65.1	65.1	65.1	65.1	65.1	65.1	65.1
		71.4	71.4	71.4	71.4	714	71.4	7.1 • 4	71.4	71.4
	77.2	77.2	77:2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
	84.1		84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
	87.3	84.1 87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
<del>-,</del>	^7 F	67 5	. 07 5	07.5	07 5	07 5	07 5	07 5	07.5	07 5
	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	9.3 • 5 9 5 • 9
	95.6	95.6	95.9	95.9	95.9	95.9	95.9	95.9	95.9	
	96.1	96.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
-	97.5 98.0	97.5 98. <sub>0</sub>	97.9 98.5	97.9 98.5	97•9 98•5	97.9 98.5	97.9 98.5	97•9 98•5	97•9 98 <sub>•</sub> 5	97•9 98•5
7 + 3	70.0	90 • U	70.5	70.5	70.5	90.03	70 • 5	70.5	70,5	90 •.5
	98.3	98.3		98.7	98.7		98.7	98.7	98.7	98.7
	98 •:5		98.9	98•9	98•9	98-∙9	98.9	98.9	98.9	98.9
	98.7			99 •.3	99.3	99.3	9.9 • 3	99.3	99.3	99.3
	99.3	99.4	99.9.		99.9	99.9	99.9	99.9	99.9	96.09
8 9	99.4	99•6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
3.9	99.4	99.6	100.0	- 1.00 0	100.0	100.0	100.0	100.0	100.0	100.0
	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
3.9	99.4	99.₽6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100-0
8.9	99.4	99.6	100.0	100.0	100.0	100-0	100.0	100.0	100.0	100.0

(\_

•

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

					• • • • • • •					
CEI	LING							VISIBILI	TY IN	
I	N I	GΤ	GE	GE	GE	GE	GΕ	GE	GE	GE
FE	ET [	160	90	80	60	48	40	32	24	20
• • •	• • • • • •						_			
	CCT. I									
NU	CEIL	1.9	45.7	46.3	47.0	47.9	47.9	48.0	48.0	48.C
G c	200001	2.8	51.6	52.1	53.0	54.1	54.1	54.3	54.3	E 11 - 7
·	18000	2.8	51.6	52.1	53.0	54.1	54.1	54.3	54.3	54.3 54.3
	16000	2.8	51.6	52.1	53.0	54.1	54.1	54.3	54.3	54.3
	14000	3.0	52.1	52.7	53.6	54.7	54 • 7	54.8	54.8	54.8
	120001	3.1	52.4	53.0	53.8	55.0	55.0	55.1	55.1	5.5 • 1
	·			• • • • • • • • • • • • • • • • • • • •		55.0	33.0	33.1	22+1	22 • 1
6 F	10000]	3.1	54.3	54.8	55.7	56.8	56.8	57.0	57.0	57.0
GE	9001	3.1	54.8	55.4	56.3	57:4	57.4	57.5	57.5	57.5
C E	8.000	3.1	59.4	60.0	61.0	62.1	62.4	62.5	62.5	62.5
3.6	70001	3.3	60.1	6C.7	61.7	62.8	63.1	63.2	63.2	63.2
GΕ	60001	3.3	61.4	62.0	63.0	64.1	64.4	64.5	64.5	64.5
GE	50001	3.8	66.5	67.1	68.1	69.4	(0.7	70.1	7 - 1	70.4
GE	4560	4.1	71.8	72.4	73.8	75.2	69•7 75•5	70.1	70.1	70.1
GE	40001	4.1	76.2	77.2	78.8	80.2	80.5	75.9 8c.9	75.9 80.9	75.9
G-E	3500	4.3	78.5	79.5	81.3	82.8	83. D	83.5	83.5	80.9 83.5
ΰE	30 00	4.3	82.6	83.8	85.6	87.0	67.3	87.7	87.7	
-	5000,		G <b>L. 1</b> U	03.0	03.0	07.4	01+3	01+1	01.1	87.7
GE	2500	4.4	83.0	84.2	86.0	87.5	87.7	88.2	88. 2	8-8 • 2
G E	20001	4.7	84:.3	85.5	87.6	89.0	89.3	89.9	89.9	8-9 • 9
gΕ	1800	5.0	85.O	86.2	88.3	89.9	90.2	90.7	90.7	90.7
υE	1500	5.3	86.5	87.6	89.7	92.0	92.5	93.0	93.0	93.2
GE	1200	5.3	88.3	85.5	91.7	94.0	94.4	95.0	95.0	95.2
6 E	10001		00 7							
6 E	960	5.3	89.7	91.0	93.3	95.6	96.0	96 • 6	96.6	96.7
GE	8001	5.4	90.3	91.6	93.9	96.2	96.6	97.2	97.2	97.3
GE	•	5.4	90.3	91.9	94.2	96.9	97.3	97.9	97.9	98.0
G E	7 JO   6 G O	5.4 5.4	90.6	92.2	94 • 4	97.2	97.6	98.1	98.1	98.3
UE	0001	⊅ • ¥	90.6	92.2	94 • 4	97•2	97.6	98.1	98.1	98.3
GE	5001	5.4	91.2	92.7	95.0	97.7	98.1	98.7	98.7	98•9
GE	4001	5.4	91.2	92.7	95.0	97.7	98.1	989	98.9	99.0
GE	3001	5.4	01.2	92.7	95.0	97.7	98.1	98.9	98.9	99.0
GE	2001	5.4	91.2	92.7	95 • 0	97.7	98.1	98.9	99 • n	99.1
GE	100	5.4	91.2	92.7	95.0	97.7	98.1	98.9	99.0	99.1
~ ~	0.1	<b>.</b>	01 0	00 -	A.F					
GΕ	01	5.4	91.2	92.7	95 • û	97.7	98.1	98.9	99.0	99.1

TOTAL NUMBER OF OBSERVATIONS: 702

TAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

(						MONTH	: MAY	HOURS	-76,81-	o, 2100-23	nn
						• • • • • •					
	V	ISIBIL	ITY IN	HUNDRED:	S OF ME	TERS					
	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
ક	40	32	24	20	16	12	10	8	5	4	0
							•••••		3	7	U
								• • • • • • •	• • • • • • •	• • • • • •	4.0 0 0 0 0 0 0 0 0
<del>,</del>	47.9	48.0	48.0	48.0	48.0	48.1	48.1	110 1	1:0 7	"0.7	40 7
	,,,,	12.0	40 C	40.0	40.0	40.1	40.1	48.1	48.3	48.3	48.3
l	54.1	54.3	54.3	54.3	E/1	5 th tr	<b>-</b> 1. 1.	<b></b>	<b>~</b>		
1	54.1	54.3	54.3		54.3	54.4	54.4	54.4	54.6	54.6	547
ì	54.1			54.3	54.3	54.4	54.4	54 • 4	54 • 6	54.6	54.7
		54.3	54.3	54.3	54.3	54.4	54.4	54.4	54.6	54.6	5 <sub>4 • 7</sub>
7	54 • 7	54.8	54.8	54.8	54.8	55.0	55.0	55 <b>.</b> 0	55.1	55.1	55.3
3	55.0	55.1	55.1	55.1	551	55.3	5.5 • 3	55.3	55.4	55.4	55.6
5	56.8	57.0	57.0	57.0	57.0	57.1	57.1	57.1	57.3	57.3	57.4
ļ	57.4	57.5	57.5	57.5	57.5	57.7	57.7	57.7	57.8	57-8	58.0
Į.	62.4	62.5	62-5	62.5	62.5	62.7	62.7	62.7	62.8	62.8	63.0
<u> </u>	63.1	63.2	63.2	63.2	63.2	63.4	63.4	63.4	63.5	63.5	63.7
L	64.4	64.5	64.5	64.5	64.5	64.7	64 • 7	64.7	64.8	64 • 8	65.0
						• • • •	04.1	0,0,	04.0	04.0	03.0
ł	69.7	70.1	70.1	70.1	70.1	70.2	70.2	70.2	70.4	70 "	70 -
•	75.5	75.9	75.9	75.9	75.9	76.1	76.1	76.1	76.2	70.4	70.5
	80.5	8C.9	80.9	80.9	80.9	81.1	81.1			76.2	76.4
	83.0	83.5	83.5	83.5	83.5			81.1	81.2	81.2	81.3
	\$7 <b>.</b> 3	87.7	87.7	87.7	87.7	83.6	83.6	83.6	83.8	8.3 . 8	83.9
	21.5	01.1	01.1	0141	Ø-1 • 1	87.9	87.9	87.9	88.0	88.0	88.2
	87.7	00 2	an 2	60.0	00.0		^^ ~				
		88.2	88.2	88.2	88.2	88.3	88.3	88.3	88.5	88.5	88.6
	89.3	89.9	89.9	89.9	89.9	90.0	90.0	90.0	90.2	90.2	90.3
	90 • 2	90.7	90.7	90.7	90.7	90.9	90.9	90.9	9-1 • 0	91.0	912
	92.5	93.0	93.0	93.2	93.2	93.3	93.3	93.3	93.4	93.4	93.6
	94.4	95.0	95.D	95.2	95.2	95.3	95.3	95.3	95.4	95.4	95.6
										-	- •
	96.0	96 • 6	96.6	96.7	96.7	96.9	96.9	96.9	97.0	97.0	97.2
	96 • 6	97.2	97.2	97.3	97.3	97.4	97.4	97.4	97.6	97.6	97.7
	97.3	97.9	97.9	98.0	98.0	98.1	98.1	98 • 1	98.3	98.3	
	97.6	98.1	98.1	98.3	98.3	99.4	98.4	98 4	98.6	98.6	987
	97.6	98.1	98.1	98.3	98.3	98.4	98.4	98.4	98.6	98.6	98.7
				•-•		7 4 4 7	/ <b>U</b> • T	/0.4	70 10	70.0	70.1
	98.1	98.7	98.7	98.9	99.1	99.3	00 7	00 7	00 #	00 "	00.7
	98.1	98.9	98.9	99.0	99.3	99.4	99.3	99.3	99.4	99.4	99.6
	98.1	98.9	98.9	99.0	99.3		99 •-4	99.4	99.6	99.6	99.7
	98.1	98.9	99• B		99.4	99.4	99.4	99.4	99.6	99.6	99.•7
	98.1		•	99.1		99.6	99.6	99.6	99.7	99.7	99.9
	70.1	98•9	99.0	99.1	99.4	9-9 • 6	99.6	99-6	99.7	99.7	100.0
l	mc 1	00 0									
	98.1	9-89	99.0	99.1	9.9 . 4	99•6	99 • 6	99.6	99.7	99.7	100.0

		• • • • •						• • • • • • •		
	ILING		• •					VISIBIL		
	IN	GT	GE	GE	GE	GE	GE	GE	GE	G E.
	EET	160	90	80	6 <sub>U</sub>	48	40	32	24	2
• • •	* * * * * * * *	• • • • •	• • • • • •	• • • • • •	• • • • • •	• • • • • • •	• • • • • •	• • • • • • •	• • • • • • •	• • • • •
NC	CEIL	1.7	28.8	29.5	30.9	31.9	32.1	32.4	32.6	32.
	000001				-				32.0	324
	20000	3.1	35.3	361	37 - 9	39.1	39.3	39.7	40.0	40.
	160001	3.2	35.3	36.2	37.9	39.2	39.4	39.8	40.1	40.2
	140001	3 • 2	35.3	36.2	37.9	39.2	39.4	39.8	40.1	40.7
		3.3	35,6	36.4	38 • 2	39.5	39.7	40.1	40.4	40 • 6
υE	120001	3.5	36.3	37.3	39 • 1	40.3	40.6	41.0	41.3	41.4
	10000]	3.8	38.9	40.0	42.0	43.4	43.7	44.9	44.4	44.6
GE	90001	3.9	39 ⊷6	40.8	42.9	44.3	44.6	44.9	45.3	45.5
ßΕ	80001	4.0	43.2	44.4	46 • 8	48.3	48.6	49.1	49.5	49.0
C E	70 GO	4.1	44.0	45.3	48 0	49.5	49.9	50.3	50.7	50.4
6 E	6000	4.3	45.5	46.8	49.6	51.2	51. Ś	52.0	52.4	52.6
GE	50001	5 • C	52.0	53.4	56.5	58.2	58.6	59.2	59.7	59.4
GE	4500	5 • 3	56.5	53.0	61.2	63.0	63.4	64.1	64.5	648
GE	40001	5.6	61.7	63.3	66.7	68 • 6	69 · D	69.8	70.3	70.5
GE	3500	5.7	64.7	66.4	69.9	71.9	72.4	73.2	73.7	74.0
úΕ	3000	6.C	70.2	72.1	75.9	78.1	78.6	79.5	80.1	
			.0.2		,50,	10.1	70.0	17.5	00.1	8-O • [
6 E	25 OC	6 • 3	72.1	74.0	78.0	80.2	8p. 7	81.7	82.3	82.6
GE	50001	6.7	75.1	77.2	81 • 4	83.9	84.4	85.4	86.0	86.3
GE	1800	7.9	75.9	78.0	82.4	84.9	85.4	86 • 4	87.0	87.€
GE	1500	7.2	77.9	86.2	84.7	87.5	88.0	89.1	89.7	90.
6 E	1200]	7 • 5	79 • 4	81.8	86.• 7	89.5	90.2	91.5	92.1	92.5
GE	1000	7.6	80.5	83.2	88 • 2	91.3	91.9	93.4	94.1	94.1
GE	9001	7 7	80.8	83.5	88.7	91.8	22.5	94.1	94.8	95.
GΕ	8 00 1	7.7	31.0	83.9	89.2	92.4	93.2	94.8	95.5	96•[
6 E	700[	7.8	31.4	84.3	89.8	93.2	93.9	95.6	96.4	96.9
GΕ	6001	7- 8	81.5	84.3	89.9	93.3	94.1	95.9	96.7	97.2
GE	5001	7.8	81.7	Str 4	on n	a7 7	01: 5	06 "	07.0	=
6 E	400	7.8	81.8	84.6 84.6	90 • 2	93.7	94.5	96 • 4	97.2	97.8
GE	3001	7.8	31.8	84,6	90.2	93.8	94.7	96.6	97 • 5	98•(
6 E	2001	7.8	81.8	84.6	90.2 90.2	93.8	94.7	96.7		98.1
GE	100	7.8	81.8			93.8	94.7	96.7		98.1
~ L	1001	, α	01.0	84.6	90.2	93.•8	94.7	96.7	97.6	98.2
GE	01	7.8	81.8	84.6	90.2	93.8	94.7	96.7	97.6	98.2

TOTAL NUMBER OF ORSERVATIONS: 6287

(

TLITY IN  GE 2 24  4 32.6  7 40.0  8 40.1  8 40.1  1 40.4  0 41.3	#UNDREDS GE 20 32.8 40.2 40.2 40.2 40.6	33.0 40.4 40.5	GE 12	GE 10	GE 8	GE 5	GE 4	GE D	) J
TLITY IN  GE 2 24  4 32.6  7 40.0 8 40.1 8 40.1 1 40.4 0 41.3	#UNDREDS GE 20 32.8 40.2 40.2 40.2 40.6	33.0 40.4 40.5	GE 12	GE 10	GE 8	GE 5	GE 4	GE D	
GE 244 32.6 7 40.0 8 40.1 8 40.1 1 40.4 0 41.3	GE 20 32.8 40.2 40.2 40.2 40.6	GE 16 33.0 40.4 40.5	GE 12 33.0	10	8	5	4	0	3
2 24 	32.8 40.2 40.2 40.2 40.6	16 33.0 40.4 40.5	33. <sub>0</sub>	10	8	5	4	0	Ì
4 32.6 7 40.0 8 40.1 8 40.1 1 40.4 0 41.3	32.8 40.2 40.2 40.2 40.2	33.0 40.4 40.5	33.0		• • • • • •		• • • • • •	0 0 0 20 0 0 0 0 0 0 0	
4 32.6 7 40.0 8 40.1 8 40.1 1 40.4 0 41.3	32.8 40.2 40.2 40.2 40.6	33.0 40.4 40.5	33.0			•	, • • • • • • •		
7 40.0 8 40.1 8 40.1 1 40.4 0 41.3	40.2 40.2 40.2 40.6	40.4 40.5	-	33.2	33.2	77 ^			
7 40.0 8 40.1 8 40.1 1 40.4 0 41.3	40.2 40.2 40.2 40.6	40.4 40.5	-			33.2	3-3 - 4	33.6	I
8 40.1 8 40.1 1 40.4 0 41.3	40.2 40.2 40.6	40.5	40.4						- Ar
8 40.1 8 40.1 1 40.4 0 41.3	40.2 40.2 40.6	40.5		40.6	40.6	40.7	40.9	41.1	
1 40.4	40.6		4n.5	40.6	40.7	40.7	40.9	41.1	1
0 41.3		40.5	40.5	40.6	40 7	40.7	40 109	41.1	120
	11 2 1.	40.8	40.8	41.0	41.0	41.1	41.Ĵ	41,5	
0 44.4	41.4	41.7	41.7	41.8	41.8	41.9	42.1	42.3	1
0 44.4									••
	44.6	44.8	44.9	45.0	45.0	45.1	45.3	45.5	
9 45.3		45.7	45.8	45.9	45.9	46.0	46.2	46.4	j
1 49.5		49.9	50.0	50.1	50.1	50.2	50,4	506	-
3 50.7	50.9	51.2	51.2	51.3	51.4	51.4	51.6		
0 52.4	52•6	52.8	52.9	53.0	53.0	53.1	53.3	53.5	Ĵ
0 50 7	50.0	, o o	t = 7	<b>(0</b> )	40 4	(O F	40 7	(0.0	
									-2*
									Ĩ
5 80.1	80.3	80.7	80.7	80.9	80.9	81.0	81.2	81 *4	به. م
7 82.3	82.6	82.9	82.9	83.1	83.1	83.2	93.4	83.6	
									**
								91.2	
-		92.9	92.9	93.1	93.1	93.2	93.4	93.6	
						_		_	•
									,
		_		-				_	
96.7	97.2	97.6	97.7	97.9	97.9	98.0	98•2	98.4	
4 972	97.8	98.3	98.4	98.5	98.6	98.7	98.9	99.1	
									الاستان الا الاستان
					_				ئيم. أ
		-		-					
		98.8	98.9	99.1	99.2	99.3	99.6	99.9	
	•						-		***
9.7 • 6	9:8 • 2	98.8	989	9.9 • 1	99.2	99.3	99-∙6	100.0	
									• 🧐
218 225 118 118 118 118 118 118 118 118 118 11	2 59.7 64.5 70.3 73.7 80.1 7 82.3 86.0 87.0 89.7 92.1 4 94.8 95.5 96.4 96.7 4 97.5 7 97.5 7 97.5	2       59.7       59.9         1       64.5       64.8         70.3       70.5         73.7       74.0         80.1       80.3         82.3       82.6         86.0       86.3         87.0       87.3         1       89.7       90.1         592.1       92.5         4       94.1       94.4         94.8       95.1         89.7       96.9         96.7       97.2         4       97.5       98.0         97.5       98.1         97.6       98.2	2       59.7       59.9       60.2         64.5       64.8       65.1         70.3       70.5       70.8         73.7       74.0       74.3         80.1       80.3       80.7         82.3       82.6       82.9         86.0       86.3       86.6         87.0       87.3       87.7         1       89.7       90.1       90.4         92.1       92.5       92.9         4       94.4       94.8       95.5         8       95.5       96.0       96.3         96.4       96.9       97.3       96.3         96.7       97.2       97.6         4       97.2       97.8       98.3         97.5       98.0       98.7         97.5       98.1       98.8         97.6       98.2       98.8	2       59.7       59.9       60.2       6g.3         1       64.5       64.8       65.1       65.2         70.3       70.5       70.8       70.9         73.7       74.0       74.3       74.4         80.1       80.3       80.7       80.7         82.3       82.6       82.9       82.9         48.6.0       86.3       86.6       86.7         47.0       87.3       87.7       87.7         1       89.7       90.1       90.4       90.5         92.1       92.5       92.9       92.9         4       94.1       94.4       94.8       94.9         94.8       95.1       95.5       95.6         8       95.5       96.0       96.3       96.4         96.4       96.9       97.3       97.3         97.3       97.3       97.3       97.3         96.7       97.2       97.6       97.7         4       97.2       97.8       98.8         97.5       98.1       98.8       98.9         7       97.5       98.1       98.8       98.9         7       97.6	2       59.7       59.9       60.2       6g.3       60.4         1       64.5       64.8       65.1       65.2       65.3         3       70.3       70.5       70.8       70.9       71.1         73.7       74.0       74.3       74.4       74.5         80.1       80.3       80.7       80.7       80.9         7       82.3       82.6       82.9       82.9       83.1         4       86.0       86.3       86.6       86.7       86.9         4       87.0       87.3       87.7       87.7       87.9         1       89.7       90.1       90.4       90.5       90.6         5       92.1       92.5       92.9       93.1         4       94.1       94.4       94.8       94.9       95.1         94.8       95.1       95.5       95.6       95.8         8       95.5       96.0       96.3       96.4       96.6         96.4       96.9       97.3       97.3       97.5         99.7       97.2       97.6       97.7       97.9         4       97.2       97.8       98.7       98.	2       59.7       59.9       60.2       60.3       60.4       60.4         1       64.5       64.8       65.1       65.2       65.3       65.3         1       70.3       70.5       70.8       70.9       71.1       71.1         1       73.7       74.0       74.3       74.4       74.5       74.5         2       73.7       74.0       74.3       74.4       74.5       74.5         3       80.1       80.3       80.7       80.7       80.9       80.9         4       86.0       86.3       86.6       86.7       86.9       86.9         4       87.0       87.3       87.7       87.7       87.9       87.9         1       89.7       90.1       90.4       90.5       90.6       90.6         5       92.1       92.5       92.9       93.1       93.1         4       94.1       94.8       94.9       95.1       95.1         94.8       95.1       95.5       95.6       95.8       95.8         8       95.5       96.0       96.3       96.4       96.6       96.6         96.4       96.9       97.3	2 59.7 59.9 60.2 60.3 60.4 60.4 60.5 64.5 64.8 65.1 65.2 65.3 65.3 65.4 70.3 70.5 70.8 70.9 71.1 71.1 71.1 71.1 73.7 74.0 74.3 74.4 74.5 74.5 74.6 80.1 80.3 80.7 80.7 80.9 80.9 81.0 7 82.3 82.6 82.9 82.9 83.1 83.1 83.2 86.0 86.3 86.6 86.7 86.9 86.9 87.0 87.0 87.3 87.7 87.7 87.9 87.9 88.0 1 89.7 90.1 90.4 90.5 90.6 90.6 90.7 92.1 92.5 92.9 92.9 93.1 93.1 93.2 94.1 94.4 94.8 94.9 95.1 95.1 95.2 1 94.8 95.1 95.5 95.6 95.8 95.8 95.9 89.5 96.0 96.3 96.4 96.6 96.6 96.7 97.2 97.6 97.7 97.9 97.9 98.0 99.1 99.2 97.5 98.1 98.8 98.9 99.0 99.1 97.5 98.1 98.8 98.9 99.0 99.1 97.5 98.1 98.8 98.9 99.0 99.1 97.5 97.6 98.2 98.8 98.9 99.0 99.1 99.2 97.5 98.1 98.8 98.9 99.0 99.1 99.2 99.3 77.6 98.2 98.8 98.9 99.1 99.2 99.3 77.6 98.2 98.8 98.9 99.1 99.2 99.3 77.6 98.2 98.8 98.9 99.1 99.2 99.3	2 59.7 59.9 60.2 6g.3 60.4 60.4 60.5 60.7 64.5 64.8 65.1 65.2 65.3 65.3 65.4 65.6 70.3 70.5 70.8 70.9 71.1 71.1 71.1 71.1 71.4 73.7 74.0 74.3 74.4 74.5 74.5 74.6 74.8 80.1 80.3 80.7 80.7 80.9 80.9 81.0 81.2 83.4 86.0 86.3 86.6 86.7 86.9 86.9 87.0 87.2 87.0 87.3 87.7 87.7 87.9 87.9 88.0 88.2 88.7 90.1 90.4 90.5 90.6 90.6 90.7 90.9 92.1 92.5 92.9 92.9 93.1 93.1 93.2 93.4 94.8 95.1 95.5 95.6 95.8 95.8 95.9 96.1 94.8 95.1 95.5 95.6 95.8 95.8 95.9 96.1 94.8 95.1 95.5 96.0 96.3 96.4 96.6 96.6 96.7 96.9 96.4 96.9 97.3 97.3 97.5 97.5 97.6 97.8 96.7 97.2 97.6 97.7 97.9 97.9 98.0 98.2 97.5 98.1 98.8 98.9 99.0 99.0 99.1 99.3 99.6 97.5 98.1 98.8 98.9 99.0 99.0 99.2 99.4 97.5 98.1 98.8 98.9 99.0 99.0 99.2 99.4 97.5 98.1 98.8 98.9 99.0 99.0 99.2 99.4 97.5 98.1 98.8 98.9 99.1 99.2 99.3 99.6 97.6 97.6 97.6 97.5 98.1 98.8 98.9 99.1 99.2 99.3 99.6	2 59.7 59.9 60.2 6g.3 60.4 60.4 60.5 60.7 60.9 64.5 64.8 65.1 65.2 65.3 65.3 65.4 65.6 65.8 70.3 70.5 70.8 70.9 71.1 71.1 71.1 71.4 71.5 73.7 74.6 74.3 74.4 74.5 74.5 74.6 74.8 75.0 80.1 80.3 80.7 80.7 80.9 80.9 81.0 81.2 81.4 81.4 81.0 81.2 81.4 81.4 81.0 81.2 81.4 81.4 81.0 81.2 81.4 81.4 81.0 81.2 81.4 81.4 81.0 81.2 81.4 81.4 81.0 81.2 81.4 81.0 81.0 81.2 81.4 81.0 81.2 81.4 81.0 81.2 81.4 81.0 81.2 81.4 81.0 81.2 81.4 81.0 81.2 81.4 81.0 81.2 81.4 81.0 81.2 81.4 81.0 81.2 81.4 81.0 81.2 81.4 81.0 81.2 81.4 81.0 81.2 81.4 81.0 81.2 81.4 81.4 81.0 81.2 81.4 81.0 81.2 81.4 81.0 81.2 81.4 81.0 81.2 81.4 81.0 81.2 81.4 81.0 81.2 81.4 81.0 81.2 81.4 81.0 81.2 81.4 81.0 81.2 81.4 81.0 81.2 81.4 81.0 81.2 81.4 81.0 81.2 81.4 81.0 81.2 81.4 81.0 81.2 81.4 81.0 81.2 81.4 81.0 81.2 81.4 81.0 81.2 81.4 81.0 81.2 81.4 81.0 81.2 81.0 81.2 81.0 81.2 81.4 81.0 81.2 81.4 81.0 81.2 81.4 81.0 81.2 81.4 81.0 81.2 81.0 81.2 81.0 81.2 81.0 81.2 81.0 81.2 81.0 81.2 81.0 81.2 81.0 81.2 81.0 81.2 81.0

O

CEI	LING		••••	• • • • • •	* * * * * * *		• • • • • •	VISIBIL		
	N I	GT	GE	GE	GE	GE	GE	GE	GE	] VIO ; 1
	ET		90	80	6 <sub>0</sub>	48	40	32	24	•
	•							J.		
	* *-* * * *		• • • • • • •		• • • • • • •	• • • • • • •	• • • • • •	• • • • • • •	• • • • • •	• • • • •
NI C	CEIL	7.1	42.5	44.0	#/ O	4.0 -		" "	" 0 0	h .
IV C	CC1C 1	7 + 1	42.5	44.0	46.9	48.3	48.3	48.6	48•9	4 9
	200 00 1	a L	4.6.6	40.7	<b>53</b> 0	F/ 7	<b>60</b> 7	C7 C	÷ 7 7	
	20000	8.6 9.6	46.6	48.3	51.2	52-÷7	52.7	53.+G	53.3	5.
	16000		46.6	48.3	51.2 51.2	52.7	52.7	53.0	53.3	
	148001	8.6	46.6	48.3		527	52.7	53.0	53.3	
		8.6 8.7	46.7 47.2	48.5	51.4	52.8	52 8	53.1	53.4	5
G E	120001	0 • 1	47.2	49.1	52.0	53.4	53.4	53.7	54.0	51
GE	100001	8.7	48.3	50.2	53.1	54.6	54.6	54.9	55.2	<b>5</b> :
GΕ	90001	8.7	53.2	52.3	55 • 2	56.6	56.6	57.2	57.5	5°
GE	8000	8.7	53,6	55.6		60.3	60.3	61.0	61.3	5 6
GE	7000-1	8.7	•	57.1	58 • 7					
GE	60001	92	55.0 55.9	57.9	60.1	61.7	61.7 62.6	62 • 4	62 • 7	6 6
€ F	oc ac i	7.8 %	33.7	31.9	61.0	62.6	62.6	63.3	63,6	6
GΕ	5000	9.3	61.4	63.5	66.7	68.3	68.3	69.0	69.3	6
GE	4500	9.6	63.5		68 • 7	70.3	70.3	71.3	71.6	
GE	4200	9.9	66.8	65.5 68.9	72.1		73.7	74.•8	75.1	7.
GE	35 co l	10.0	70.3	72.5	7.5 - 8	73•7 77•4	77.4	78.6	78.9	
GE	3000	10.5	73.2	75.4	79.3	80.6	80.6	82.1	82.4	7 <u>.</u> 8 <u>.</u>
O L	30001	10.0	13.2	15.4	19.3	00-0	00.0	82 • 1	02.4	0_
GE	25001	1.0 • 9	73.9	76.1	79 - 8	81.4	81.4	82.8	83.1	8
GE	2000	11.2	75.3	77.4	81.5	83.1	83.1	84.6	84.9	
GE	1800	11.2	75.5	77.7	81.8	83.4	83.4	85.0	85.3	8
غن E	1500	11.2	78.g	80.2	84.6	86.2	86.3	87.9	88.2	8
GE	12001		20.3	82.5	86.9	88.5	88.6	90.2	90.5	9
υL	12001	1-1 - 2	~0.3	02.5	60.9	00.5	60.0	90.2	90.5	7
GE	10001	11.2	62.5	84.7	89.1	90.7	90.8	92.4	92.7	Q
GE	900	11.2	83.0	85.2	89.5	91.1	91.3	93.3	93.7	9 9
G E	8001	11.2	83.7	85.9	90.4	92.0	92.1	9-4-•2	94.6	ģ
GE	700	11.2	84.4	86.6	91.4	93.2	93.3	95.5	95.9	
GE	600	11.2	946	86.8	91.7	93.6	93.7	96.4	96.8	ý
			. ,	0000	,	/ <b>3 , (</b>	, 5 ,	, , , , ,	, , , ,	,
GE	5 00 L	11.2	84.9	8-7 ₊ ົົ	92.0	93.9	94.0	96.8	97.4	<u> 9</u>
GE		11.2	84.9	87.2	92.1		94.2	96.9		
GE					92.3		94.3	97.1		
CE		11.2			92.3			97.4		
GΕ		11.2			92.3					
			w 7 <b>p</b> -7	- / + 6	/ L. T. S	/453	, , , ,	,,,,,	, 0, 0	•
GE	01	11.2	84.9	87.2	92.3	94.5	94.6	97.5	98.5	ç
		• · · · · ·								
									•	

TOTAL NUMBER OF OBSERVATIONS: 687

[

(

(

(

## UENCY OF OCCURRENCE OF CEILING VERSUS VISÍBILITY FROM HOURLY OBSERVATIONS

S	IBIL:		HUNDREDS								-
	GΕ	GE		GE	GE	<b>~</b>		GE	Ct.	GE	
	32	24	29	16	12	1.0	8	5	4	0	•
			,						"0.0		
4	8 • 6	48.9	49.1	49.1	49.1	49.1	49 • 1	49-•-1-	4.9 • 2	49.2	
	3.0	53.3	53.4	53.4	53.4	53.4	53 -4	53.4	53.6		
	3.0	53.	53.4	53.4	53.4	53.4	53 • 4		53.6		
	3.0	53.3	53.4	53.4	53.4	53.4	53.4		53.6	-	
	3.•1	53.4	53.6	-	53.6	53.6	53./		5-3.7		
5	3.7	54.0	54.1	54.1	54.1	-54-•1	54 • 1	54.1	54-∙3	54.3	
	4.5.	55.2	<b>5.5</b> • 3	55 3	55.3	55.3	55.3	7243	<b>≽</b> -5 • 5	55.5	
	7.2	57.5	57.6	57 <b>.</b> 6	57.6	5-76		57.6	5.7 • 8	5-7 • 8	
	1.0	61.3	61.7	61.7	61.7	61.7		61 • 7	61.9	•	
	2 • 4	62.7	63.2	63.2	63.2	63.2		63.2	(3.3		
6	3.3	63.6	6 4 - 0	64.0	64.0	64.D	64.0	64.0	64.•-2	64-•2	
6	9.0	69.3	69.7	69.7	69.7	69.7	69.7	69•7	69.9	69.9	
	1.3	71.6	7.2.1	72.1	72.1	72.1	72 • 1	72.1	7.2.2	72.2	
7	4 • 8	75-1	75.5	75.5	75 ⊷5	75.5	<b>75</b> -∙5	75.5	75.7		
7	8.6	78₌, 9	79.3	79.3	79.3	79-• 3-	79.3	79.3	79-∙5	79.5	
8	2.1	82.4	82.8	82.8	82.8	8-2 • 8	82.8	82.8	83.0	83-• ŋ	
8	2.8	83.1	83.6	836	83.∔6	8-3.6	83.6	83.6	83.7	83.7	
8	4 • 6	84.9	8.5 • 3	85.3	85 🚅	85.3	85.3	85.3	85.4	85.4	
g	5.0	я5-∙ 3	85.7	85.7	85.7	85.7	85.7	85.7	8.5 • 9	85.9	
	7.9	o-8 i	A8.6	88.6	88-•.6	886	88 • 6	88.₌6	88.8	-8-8 • <u>8</u>	
9	8.2	90.5	×1·0	91.0	91.0	91.0	91.0	91.0	91.1	91 • 1	
9	2.4	92.7	93.3	93.3	9-3 - 3	93.3	93.3	93.3	93.4	93.4	
9	3.3	93.7	94.3	94.3	94.3	943	94.3	94.3			
9	4-•2	94.6	95.2	95.3	95.3	95.3	95-∙3	953-	95.5	95 ₌5	
	3.5	95.9	96.•5	96.7	96.7	96.•7	9.6 • 7	96.7	96.8	96:8	
9	6.4	96.8	97.4	97.5	97.5	9-7 • 5	97.5	97.5	97.7	97.7	
9	6.8	97.4	9.8 •	98-•-1	98.1	98-1	98 • 1	98.1	98.3	98 • 3	
9	6.9	98.0	98.5	98.7	98.7	98.7	98.7	98-7	98-8	98.8	
9	7.1	98.1	98.8	99.0	990	99.0	49.0	99:1	99.3	99.3	
9	7.4	98.4	99.3	99.4	9:94	99.4	44.4	9966	99.7	99.7	
9	7.5	98.5	99.4	99.6	99.6	99.7	}.9 • Ť	99.9	100.0	100.0	
9	7.5	98•5	99:•4	996	996	99.7	99.7	99.9	100.0	1.00.•0	

O

AIR WEATHER SERVICE/MAC

GLOBAL CLÍMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE C FROM HOURLY OBSER

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

		P- 0 1, 0 0 0 0 0 0							
CEILING		^F	C E	CE	GE		TSIBILI GE	GE GE	GE_
IN FEET		GE	on on				32		
• • • • • • •	* * * * , , , .		E 650 % F 4 4						V V V V V V V V V V V V V V V V V V V
NC CEIL	1 3,3	28.7	29 • 9	34 • 1	36.,2	36 • 4	37.4	33.4	39.3
GE 2000	0-1 52	32.g	33.3	38.0	40.9	41.0	42.3	4.3 . 3	44.3
6E 1600	0 5.2	32.2	3.3.5	38.1	41.0	41.2	425	43.5	44.5
GE 1600	C 5.2	32-2	33.5	38.1	41.0	41.2	42.5	43.5	44.5
6E 1400	01 5.2	32.2	33.5	38 ". 1	41.0	41.2	42.5	43.5	44.5
68 1200	01 5.2	32.6	33.9	38.8	41.7	41.9	43.2	44.2	45.2
GE 1000	01 5.7	34.8	36.2	41.9	44.8	44.9	46.5	47.5	48.6
	:	36.1	37.5	43.3	46.2	46.5	48.3	49.3	50.3
GE 900 GE 800		38.7	40.3	46.2	49.3	49.6	51.4	52.5	53.5
6E 700		39-• 6	41.3	47.2	50.3	50.6	52.5	53,5	54.5
				49.0	52.0	52.5	54.3	55.4	56.4
GE 600	G  6.7	41.2	42.9	4-7 •. U	32.0	32 • J	34 • 5	33,4	3 <b>0 •</b> · · · ·
GE 500	0   7.2	46.7	4-8.7	55 - 1	58.4	59.0	€1.8	62.0	63.C
GE 450		48.6	50.6	57.2	60.7	61.3	63.6	64.6	65.7
6.E 400		51.6	53.8	60_6	64.2	64 • 8	67 -1	68.1	69.3
GE 350		53.6	55.8	62.8	66 • 4	67.0	69.3	70.4	71.6
GE 300	_	567	58.8	65.8	69.6	70.1	72.5	73.6	74.8
0 £ 300	01 012	JU-# 1	30.0	03.0	0.5 • 0	, 0.1 2	1210	, 3 , 0	
GE 250	0 8.6	57.4	59.6	66.5	703	70.9	73.2	74.3	757
GE 200		59.3	61.7	68.7	72-•-5	73. D	75.5	76.7	78.0
GE 180		59.9	62.5	69.7	73.5	74.1	76.5	77.7	79.C
GE 150		62.0	64.6	72.2	75.9	76.7	79.1	00.4	81.7
GE 120		64.5	67.2	74.9	79-0	79.9	82.8	84.2	85.7
					-				-
GE 100	9.	65.2	68.C	75 • 8	80 <b>.</b> 0	80.9	83:•8	85.4	8.6.8
6E 90	201 9.6	65.9	69.0	76 • 8	g 1 • 0	31.9	851	86.7	88.1
GE 80	0 - 9.6	66-• 2	69.4	77 • 4	81.7	82.6	85.9	87.5	8.9 <b>.</b> C
6E 70	101 9.6	67.0	70.6	79-0 L	835-	34.3	8.7 . 8	89.7	91.3
GE 60	01 9.6	672	71.0	79.•.6	846	85.7	89v7	91-•-9	93.6
	int a c	/ T A	71.0	70 (	Ö1:	85•7	89.7	92.2	93.9
	9.6	67.2	71.0	79.6	84 + 6	-		92.3	94.2
_	10   9.6	67.2	71.2	79.7	84-8	85.8 95.9	89.9	92.8	94.8
	9.6	67.2	71.2	79-, 7	848	85.8 or o	89.9	92.8	94.8
	0.6	67.2	71.2	79.7	84.•-8	85.8	89.9	92·8	-
GE 10	9.6	67.2	71.2	79-7	84.9	85.9	90.0	ט • י	95.1
G E	0-1 9-6	67.2	71.2	79.7	84-• 9	85.9	90.0	93.40	9-5-1
) B"0E(0								•=•••••	<u></u>

TOTAL NUMBER OF OBSERVATIONS: 690

### REQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

RF OR	D UK							-76,80-8 (LST):		-nn	
			4 4 4 - 0 4 - 1 4 - 0							00	
-	VISTRI		HUNDREDS			• • • • • • •	• • • • • • •				1.0
βE	G.E	GE.	GE	GE	GE	ĜE	GÉ	GE	GE	GE	
40	32		20			10	8	٥ <u>ر</u> 5	4	סב	
~ U								5	7	U	
• • • • !		• • • • • •		• • • • • •	0-1 0-0 0 0 0	•=•-• • • • • -	• • • • • • •	• • • • • •		• • • • • • • •	• •
	37.4	38.4	39.3	39.9	40.1	40.43	40.6	40.7	40.9	419	
6 • 4	2154	2014	J 7.4 J	37 • 7	40.1	40.43	40 • 0	40 • <i>i</i>	4 U 6-7	41-49	
1.0	42.3	43.3	44.3	44.9	45.2	45.4	457	45.8	45.9	47.0	
1.2	42.5	4.3 • 5	44.5	45.1	45.4	45.5	45.•8-	45.9	46 <b>.</b> I	47.1	
1.2	42.5	43.5	44.5	45.1	45.4	45 • 5	45.40	45.9	46.1		
1.2	42.5	43.5	44.5	45.1	454	45.5	45.8	45.9	46.1	47•1 47•1	
	43.2	44.2	4.5 • 2	45.9	46-2	46.4					
1.9	42.5	44 *- 2	7.4.6	73 4 7	40.4	7.0 ♦ 4	-46-•7	4.6 . 8	47.0	48.0	
4.9	46.5	475	4-8 - 6	49:• 3	49.6	497	50.0	50.1	50.3	-5-13	
έ <b>.</b> 5	48.3	49.3	50.3	51.2	51.4	51.6				53.2	
5.6	51.4	52.5	53.5	54.3	54.6	54.8	51.9 55.1	52.0 55.2	52.2 55.4	56.4	
C.6	52.5	53.5	54.5	55.4	55.7	5.58	56.1	56.2	56.4	57.4	
	54.3	55.4	56 <sub>•-4</sub>	57.2	57.5	57.7	58-∙0	58.1	58.3	59.3	
2.5	54.5	22.4	J 0 •-4	5 ( . 4	57.5	31.1	30-• U	30 • 1	20.3	J.7 • J	
9.C	61.0	62.0	63.D	63.9	64.2	64.3	61	<i>(:</i> 0 0	64.9	65.9	
1.3	636	64.6	65.7	66.5	66.8	6.7 . D	64.6	64 • 8			
	6.7 • 1	68.1					67.2	67.4	67.5	68.6	
4-•8 7•0			69.3	70-1	7 <sub>0</sub> • 4	7.0 - 6	7.0 • 9	71.0	71.2	72.2	
	69.3	70.4 73.6	71.6	72.5	72.8	72.9	7-3 • 2	73.3	73.5	74.5	
1.1	72.5	13.0	74.	75.7	75.9	76.1	76 • 4	76.5	767	77.7	
C. 9	73.2	74.3	75.7	765	77.0	77.1	77:-4	77 C	7	70 7	
5 · B	75.5	76.7	78.0	7-8 8	79.3	79.4	77°•4 79.•9	77.5	7.7 • 7		
4.1		77.7	790	79.9	80.3	80.4		80.0	80.1	812	
· . 7	7 <sub>6</sub> .5 79.1	83.4			-		8g•9	81.0	81.2	82.2	
	82.8	84.2	8 <sub>1</sub> .7 85.7	82.6 84.7	83.0 97.1	83.2	83.6	83.8	8.3.9	84.9	
9.9	06.0	04.2	03.1	86.7	87.1	87.2	8 <del>7</del> . • 7	87.8	88.0	89·•O	
0.9	83.8	85.4	o-c o	07 0	90 %	90 "	00 0	00 7	0.0 1	0.0.1	
			86.8	878	88.3	88-4	88 • 8	8.9 • 0	89.1	90 • 1	
1.9	85.1	86.7	88.41	8.9 . 1	89.6	89.7	90.1	903	90:4	91.4	
4.3	85.9		89-0								
1.3 5.7	87.8	89.7	91.3	92.3	92.8	9-2-9	93.3	93.5	93.6	94.6	
2 <b>•</b> 1	897-	91.9	93.6	94:• 8	95.2	95.4	95 • 8	95.9	9-6 • 1	97-1	
. <b>-</b>	00.7	00°0	07.0	05 1	05.5	A = =	. 0-2	0.6	0.6	07 -	
5.7	89.7	92.2	93.9	95 • 1	95.5	95.7	96.1	96.2	96.4	9.7 • 4	
5. b	89.9	92.3	94.2	95.7	961	96.2	96.7	96.8	97.0	96.0	
3.8	89.9	92.8	94.8	96.2	96.8	97.0	97.•4	9.7.5	97.7	98.7	
5.8	69.9	92 : 8	94.8	96.4	9-7 - 0	97.1	97.5	97 • 8	98.0	99 • 4	
5.9	90.0	93.0	95-1	96.7	9.7 • 2	97.4	9-7- • 8	983	98.6	100.0	
· ~	66.0				a <del>-</del> -	~~ .	0 mi =				
5.9	90.0	93.0	9-5 1	96.7	97.2	97.4	97.8	98.3	98⊶6	100.0	

									7
* * * * * * * * * * * * * * * * * * *		0-4 * * * * *			• • • • • • •	, , , , , ,			
CEILING	1 67	~ ~		~=	~=		VISIBILI		
	l GT	GE	GE	GE	GE		GE	6Ē	GE
	1 160	90	80	60	48	40	32	2-4	2
* * * * * * * * * *						• • • • • • •	• • • • • • •		
NC CEIL	3.9	248	26.8	30.8	32.7	33 • 2	33.7	34.4	35.
	1 307	27-1 U	20.0	20.0	32.1	23+4	33+1	24+4	33.
GE 20000	5.4	31.2	33.3	37.8	40.4	40.9	41.6	42.4	43.
GE 18000		31.2	33.3	379	40.5	41.1	41.7	42.5	43.
GE 16000		31.2	33.3	37.9	40.5	41.1	41.7	42.5	43.
GE 14700		31.6	33.7	38.3	40.9	41.5	42.1	43.0	43.
GE 12000	6.1	32.1	34.3	39.2	41.7	42.3	43.0	43. q	44.
						•	<b>.</b>	,	
GE 10000		34 • 4	36.46	42.1	44.7	45.3	45.9	47.0	4.7 •:
6E 9000		350	37.1	42.7	45.3	45.8	46.5	47.6	48.
GE 8.000		39C	41.9	48.1	50.•7	51.4	52.0	53.3	53•
GE 7000	•	40.5	43.5	49.7	52.3	53•0	53.7	54.9	55.1
GE 6000	6.9	41.2	44.3	50.8	53.4	54.1	54.9	56.1	56.1
	~			<b></b>	:				
GE 5000		45 - 8	49.1	55.6	58.1	58.9	59.8	61.0	618
GE 4500 GE 4500	•	49.2	52 • 4	59-+1	62.2	63-0	63.8	-6-5 • n	65.5
GE 3500		51.9 53.7	55.1	61,9	65.0	66 • 1	66.9	68.2	69.[
GE 3000		56.6	57.2 60.3	64.D 67.5	67.1 70.6	68•2 71•7	69.0	70.2	71.
01 3000	1 0.1	2010	01112	01.5	10.0	17.	72.5	73.7	74.7
G-E 25 00	8.1	57.2	61.0	68.3	71.4	72.5	73.4	74.7	75.£
GE 2000		59.9	64.0	71.4	74 • 5	75.6	76.6	77.9	78.9
GE 1800		60.0	64.1	71.5	74.7	75.7	76.7	78.0	79.0
6 <sub>C</sub> 1500		62.6	66.7	74.1	77.4	78.5	79.5	80.9	81.8
6E 1200		65.9	70.1	77.8	81 · D	82.1	83.3	85.1	86.0
					~				
SE 1000	•	67.3	71.7	79.9	83.6	84.7	86.0	87-8	8-8-8
6E 900		67.9	72.2	80.6	84.3	85. <sub>•-4</sub>	86·7	88.5	89.4
GE 800	_	68.7	73.2	81.8	858	87.0	88,8	9-05	91.5
GE 700	•	68-7	73.3	82.7	86.6	87.8	89.6	91.7	92.7
6E 650	9.2	69.1	73.8	83.3	87.3	88.6	90.8	93.1	94.2
CF							_		
GE 500		69-1	74 • C	83.6	87.7	89•2	91.3		95.0
6E 460		69.1	74.0	83.7	878		91.7		95 • 8
GE 200	1	69.2	74 • 1	83.9	879	89 • 4			95.9
6.E 100		69.2	74 - 1	83.9	₽7°•9	89.4	91:•9		9.5 • 9
0,6 100	1 7.6	69.2	74.1	83.9	87-•9	& <i>9-</i> •⁴4	91.9	94-4	95 •:9
GE C	1 9.2	69.2	74 • 1	83.9	97.0	20 ti	91.9	94.4	9:5 • 9.
		******						-	
	· · · · ·		<del></del>	· · · · · · · ·	- <u> </u>	• •	5 1		• • • • • · · · · · · · · · · · · · · ·

TOTAL NUMBER OF ORSERVATIONS: 738

# REQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

OR	D UK				PERIOD MONTH	OF RECO	) RD: 7.5 ·	-76,80-8 (LST): (	36 36nn-n8	00	
• •		• • •-• <del>-</del> •									
			HUNDREDS	_							
-	GE	GE	GE	GE	GE	GE	GΕ	GE	GE	GE	
G	32	24	20	16	12	1:0	8	5	4	0	
• •	• • • • • • •	• • • • • •	• • • • • • •		••••••	• • • •-• • •		• • • • • •		* • • • • • • • •	•
2	33.7	34,4	35.0	35-•8	35.8	35.9	36.0	36.2	36.2	36.4	
9	41.6	42.4	43.1	4.3.9	439	44-•-0	44:•2	44.3	4.4 . 3	446	
1	41.7	42.5	43.2	44.0	44.0	44.2	44-3	44.4	444	44.7	
1	41.7	42.5	43.2	44.0	44.0	44.2	443	44 4	44 - 4	44.7	
5	42.1	43.0	43.6	44.4	44.4	44.6	447	44.9	44.9	45.1	
3	43.0	439	44.6	45.4	45.4	4-5 • 5	45.7	45.9	459	46.2	
		_						_			
3	4.59	470	47.7	48.5	48.5	48-•6	48 • 8	49-• 1-	49.1	49.3	
-8	46.5	4.7.6	4-8:2	4.9 • 1.	4-91	49.2	49.3	49.6	49.6	49.9	
4	52.0	53.3	53.9	54.9	54.9	55.0	55 • 1	55.4	55.4	55.7	
Û	53.7	54.9	5 <b>5 •</b> 6	56.5	56.5	56 ∔.6	56-8	57.0	5.7 • 0	57.3	
1	54 • 9	56.1	5-6 • 8	57.7	57.7	57.9	58:•0	58.3	58.3	58.5	
ç	59.8	61.0	6-18	627	62.7	62.9	6 3:• 0	63.3	63.3	63.6	
9 0	63.8	65. ü	65.9	66.8	66.8	66.9	67.1	67.3	67.3	67.6	
1	669	68 2	69-0	69.9	69.9	70 -1	70.2	70.5	70.5	70.7	
2	69.0	70.2	71.0	72.0	72.0	7-21	7.2 • 2	7.2.5	72.5	7-2 - 8	
7	72.5	73.7	74.7	75.6	75-6	75.7	75.•9	76.2	7-6-2	76.4	
•	1270	, , , ,		, 3, 0	73.0	1341	73.47	10.5	1-0 - 2	7044	
5	73.4	74.7	75.6	76.6	76.6	76.•7	76.8	771	7-7-1	77.4	
£ 7	76 +6	77.9	78:•9	7.9. 9	799	80.1	80.2	80.5	80.5	80.8	
7	76.7	78.0	79.0	80.1	80.1	80.2	8 ŋ • 4	80.6	80.6	80.9	
5	79.5	80.9	81.8	82.9	82.9	83.1	83.2	83.5	83.5	83.7	
1	83.3	85.1	8 Ĝ. • O	87.3	8.7 3	87.4	87.5	87 • 8	8-7 • 8	88.1	
7	86.0	878	88.8	900	90.1	90:•2	90.•4-	90.7	90.7	90.9	
4	86 • 7	8.8.4.5	89.4	90.7	90.8	9-0 • 9	91.1	9-13	9-1 - 3	91.6	
Ğ	88.8	90.5	91.5	92.7	92.8	93.0	93.1	93.4	93.4	93.6	
8	89.6	91.7	92.7	94.0	94.3	944	94.6	94 • 9	94.9	95-1	
-6	9ე.∙8	9-3-1	94.2	957	9.5.9	96.1	96.2	965	96.5	96 • 7	
	-							-	•	* = *	
2	91.3	93.8	95.0	96.47	97.0	97.2	973	97.6	97.6	97.8	
3	91.7	94.3	95.•8	97.6	98-•0	981	98 • 2	98.8	98.8	99.1	
4	91.9	94.4	95.9	97.8	98:•4	98-5	98-6	-99:4-2	99.2	9.9 • 5	
4	91.9	94.4	95.9	97.8	98.5	98.9	99 • 1	9-9-• 6	99.6	100.0	
4	91.9	94.4	959	97. 8	98.5	98-•9	99.1	99.6	99.6	100.0	
4	91.9	9.4 • 4	95.•.9	97.8	98.5	מַ אַ בַּי	99-1	9 9 • :6	9.9 • 6	1.000	
		7-7 P 7 1-0-4-4	7 0.4.7	7 F • Q	7 Q + LI	70.47	7 7 6 1	7 7 0:U	7-7 + 0	1.00.00	
		• •							; <b></b>		<i>-</i>

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF FROM HOURLY OBSERVA

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

C E I	LÎNG [N   EET	GT 160	GE 90	GE 80	GE 6 <sub>0</sub>	GE 48	GE 4 0	VISIBIL: GE 32	ITY IN GE 24	HUNDREDS GE 20
			8 6-8 6 8_6 6-6	• • • • • •			• • • • • • •	••••• • • • • • • • • • • • • • • • •	• • • • • •	<b>)                                    </b>
NC	CEIL	3.9	25.€	27.7	29,5	29.6	29•₌6	30.0	30 • 1	30.3
	200.06 [	7.1	32.4	34 • 7	36 • 7	36.8	36.8	37.2	37.3	37.5
	180001	7.1 7.1	324 32.4	34.•7 34.•7	36 • 7 36 • 7	36 . 8	36.8 36.8	37.2	37.3	37.5
	14000	7.5	33.1	35.3	37.3	36 • 8 37 • 5	37.5	37.2 37.9	373 38.0	37.5 38.2
	12000	7.0	34.5	36.9	37.3	37.5	39.1	39.6	39 • 8	39.9
GE	100001	8.8	39.4	41.9	44.3	44.4	44.4	45.0	45.1	45.2
GE	9000	9.1	40.4	43.1	45.5	45.8	45.8	46.3	46.5	46.6
G E	1 OC 38	9.1	42.8	45.5	47 • 9	48.2	48.2	48.7	48.9	49.0
GE	7000	9.1	43.2	45.9	48.5	48.7	48. 7	49.3	49.4	495
GE	60001	9-• 1	443	47.0	49-5	49.8	49.8	50.6	50.7	50 <b>-</b> ₋9
GE	5000	9.8	4.9.9	52.6	\$5.2	55.4	55.4.	56-4	56.5	56.6
ĞΕ		1-C • 4	55.0	57.7	60.2	60.5	60.5	614	61-•6	617
GE	40001	10.6	6D.C	62.7	65.7	66-0	66.1	67.1	67.2	67.3
GΕ	35 00	11-2	65.3	68.0	71.1	7-14	71.5	72.4	72 • 6	72.7
G-E	3000[	11.6	74.3	77.1	80.2	80.6	80.7	8.1.•7	81.8	81.9.
GE	25 801	12.3	768	79:•7	82.7	a 3 . 1	83. Ĵ	84.2	<b>+.</b> 3	24.5 €
GE	20001		79,5	82.3	85.4	8 و د	85.9	86.5	7-• 0	8.7.1
GΕ	1800		80.1	82.9	85 9	86.3	36.5	87.4	9.7. • .6	87.7
GE		13.3	81.7	84.6	88.0	88.4	88.5	89.4	8.9 6	89.7
GΕ	1200	13.4	34.2	87.3	909	9-1 • 6	91.7	92.6	928	92.9
GE	1000]		86.1	89.6	93.4	94.2	94.4	95.3	956	95.7
CE		13.5	86.3	90.0	94.1	94.9	95.0	96.∙0	96.3	96.4
G E		13.5	86.6	9.3.4	94-6	95.4	95.6	96.5	96.8	96 • 9
GE	_	13.7	36.7	90.9	95. 3	96.1	96.4	9.7 • 3	97-•6	97.7
GE	6001	13.7	37.0	91.2	95-• 7	96 • 7	96.9	98.0	98.3	98.4
G E		13.7	87.G	91.2	95.7	96+8	97.1	98.1	98.5	98.7
GE		13.7	87.0	91.3	95.9	96.9	97.5		99.1	99.5
Gξ		13.7	97.0	91.3	959	96.9	97.5	98.5	99.1	99.5
GE	2001	13.7	87.0	91.3	95.9	96.9	97.5	98.5	99.1	99.5
GΞ	I no l	13.7	87 <b>.</b> 0	91.3	95.9	96.9	9.7 • - 5	98.5	99.1	99-•5 -
GE	1.6	13.7	27.0	91.3	95.9	96.9	9-7 - 5	98 •-5	99-1	995
• •-•	*****		• • • • • • • •	-1 + + + +			• • • • • •	*****		

747

TCTAL NUMBER OF CRSERVATIONS:

6E 40 ••••	GE 32	GE GE 24	IUNDREDS GE	OF ME	I F K S						
40 •••• 29••6	32		UL	GE	GE	GE	۰.	GE	GE	-G E	
		۲ م	20	1-6	12	10	GE	5 S	4	.o.c	
29 <b>-</b> 6							8		۳ • • • • • • •		
			• • • • • • •						• • • • • • •		
36.8	30.0	30.1	30.3	30.3	30.3	30.3	30. ∗ Š	30.3	30.3	30-•3	
	37.2	37.3	37.5	37.5	375	37 <b>.</b> ∙5	37.5	37.5	37.5	3 7̃-•5	
36 • 8	37.2	37.3	3 <sub>-</sub> 7•5	37.5	37.5	37 -5	37.5	37.5	37-5	37.5	
<b>?6</b> • 8	37.2	37.3	37.5	375	3-7 • 5	37.5	37.5	37.5	37.5	37:•5	
37.5	37.9	38 • 0	38.2	38.2	38.2	38 • 2	38.2	38 • 2	38.2	38-•2	
39.1	39.6	39 •-8	39.9	39.9	39 - 9	39-•9	39.9	39.9	39.9	39.9	
44.4	45.0	45.1	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	
45.8	46.3	46.5	46.6	46.6	46.6	46 6	46.6	46 • 6	46.6	466	
48.2	4.8.7	48.9	4º9 • D	49-0	419 • 0	49.0	49.Ó	49.0	49.D	4.9. • 0	
46.7	49.3	49 4	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	
49.8	50.6	50.7	50.9	50.∙9	50.9	50.49	50 <b>,</b> 9	50.9	50.9	50.9	
55.4	56.4	565	56.6	- 56-₄6	566	56. <b>∙</b> 6	56 • 6	56.6	56.6	56.6	
60.5	61.4	6.16	61.7	617	61.7	61.7	61-7-	6-1.7	61.07	61.7	
66.1	67.1	67.2	67.3	67.3	67.3	6.7.3	673	67.3	67.3	67.3	
71.5	7.2 . 4.	72 • 6	7.2.•7	72.7	72.7	72.7	72 • 7	72.7	72.7	72.7	
96.7	81.7	81.8	81.9	81. • 9	81.9	81.9	81.9	81.9	81-•-9	8-1 - 9	
63.3	84.4	84.3	84.5	84.5	84.5	84 . 5	84.,5	845	84-•5	કુ.4.• 5	
55.9	86-•9	87.0	87.1	8-7-• 1	87.1	87.1	8.7. • 1.	87.1	8-7 - 1	87.1	
£6.5	87.4	87 • 6	87.7	877	87.7	877	87.7	87.7	87.7	87.7	
88.5	89-•4	89,6	8-9.7	89.47	89.7	89-•7	89 ₌7	89.7	89.7	89.7	
51.7	92.6	92 •₋8	9-2-9	93.0	93.0	93.0	9-3-•0	93.0	93.0	9.3₌• Ū	
74.4	95.3	95 •₋6	95.7	95.9	95.9	95-•9	95.9	95.9	95.9	9-5 • 9	
E5.0	96.C	96.3	96.4	96.5	96.5	96.5	96.5	9.6. • 5	96.5	96.5	
<b>95.6</b>	96.5	968	9.6 • 9	97.1	971	97.1	97-1	-97-•1		97.1	
₹.4	97.3	97.6	97.7	97.9	97.9	97.9	97.9	97.9	97.9	97•9	
6.9	98.0	98.3	98.4	98 -7	98.7	98.7	9.8 7	98.7	98.7	98-•7	
7.1	981	98.5	98.7	98.9	9.8ੂ-∙.५	9.8 • 9	98.9	98.• 9-	989	98.9	
7.5	9.8.5	99.1	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	
7.5	93-•5	99.1	99.,5	99.9	1.000	1:000	100.0	100.0	100.0	100.0	
7.5	98.5	99.1	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	
7.5	98.5	99.1	99:•5	999	100.0	100.0	100.0	100.0	100.0	1:00:0	
7.5	98•5	99-1	9.9. 5	99.9	100.0	100.0	1:00 • 0	1.00.0	1:00.0	1:00.+0	

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

Ü

 $\mathbb{Q}$ 

PERCENTAGE FREQUENCY OF OCCURRENCE OF FROM FOURLY OBSER

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

4 4,0		i			• • • • • •		• • • • • •		• • • • • • •	
	LING							VISIBIL	ITY IN	HUNDRE
	N I		GE	GE	ĢE	GE	GE	GE	GE	GE
FE			90	80	6 g		4.0		2.4	
				• • • • •	*-• • • • • •					
	_									-
14-C	CEIL	5 • 8	29.+4	29.9	30.4	30 • 4	30•≛4	30.4	30.4	30.4
	_			_						
	200001	8.9	36.5	37.1	37.6	37- • 6	37.6	37.6	376	37 • 6
	180001	8 9	36.7	37.2	37.8	37 • 8	37.8	37.8	378	3.7 • {
	16000	8.9	.36 • 7	37.2	37.8	37.8	37.8	37 • 8	37.8	37.8
	14000	92	<b>372</b>	37.8	38.• 3	38.3	38 • 3	38.3	38.3	38.
GE	12000	9.5	38.8	39.4	39.9	39.9	39.9	39.9	39.9	3.9 • (
0.0	100001		s. ba						_	•
GE	100000	10.0	43.8	44.4	45.2	45.2	45.2	45.2	45.2	45
GE	90001	10.0	44-8	45.3	46.1	46.1	46.1	46.1	46.1	46 📲
6 E	3000-		48.3	48.8	49.8	49.8	49.8	49.8	49-• 8	4-9-
6 E	7000		490	49.5	50.5	50.5	50.5	50-∙5	<b>50</b> • 5	50.
GE	60001	10.1	51.3	51.8	52.9	53.0	53.0	5.30	53.0	53 🚉
GE	50001	10.8	59.3	59.8	61.2	61.6	61.6	61.6	61.6	61.
3 0	4500	1.1-8	65.0	65 • 6	67.0	67.4	67.4	67.4	67.4	67.
GE	40001	13.0	72.8	73.5	75.1	75.5	75.5	75 • 5	75.5	75.
GE	35 00 1	13.7	77.4	7.9 . 3	80.0	80.4	8C 4	80.4	80.4	80.
GE	30001	14.9	86.7	87.8	894	89.9	89.9	89.9	89.9	80:• 89 }
٠.	30301		40-11	0.1 10	07-1-4	11 7 4-7	974 7	0-7 • 7	07.7	0.9
GE	25001	15.0	88.1	89-2	90.8	91.2	91.2	91.2	91.2	91.
GE	20001		90.1	91.2	92.8	93.2	93.2	93.2	93.2	93.
GE	1800		90.4	91.5	93.1	93.5	93.5	93.5	93.5	9-3-
GE	15001		90.9	92.ú	93.9	94.6	94.6	94.6	94.6	94.
GE	1200	15.4	92.8	94.0	96.3	97.3	97.3	97.3	97.3	97·
0.2	12001	# D # 3	/210	24.40	70 • 3	71.3	7:1 # 3	91 •.5	7:1.4 3	91.
CE	1000	15.4	94.0	95.3	97.8	98.9	98.9	98.9	98,9	98.
GE		15.4	94.0	95.3	97.8	98.9	9849	9.8 • 9	98.9	98.
GE	-	15.4	94.2	95.4	98.0	99.1	99.1	99.1	99.1	99.
σE	7.00	15.4	94.5	95.7	98.4	99.5	99.5	99.5	99.5	99.
GE		15.4	94.5	95.8	98.5	99.6	99.6	99-•6	99.6	9-9-•
٠.	0001	2011	7.143	,,,,,	70.5	77.0	77.0	9 9- <b>4</b> G	77.0	7-7-6
GΕ	5001	15.4	94.5	95.8	98.5	99.6	99.6	99.6	99.6	99.
GË	4001	15.4	945	95.8	98.5	9.96	996	-	99.7	9 9-
G-E	-	15.4	94.5	95.8	98 • 5	99.6	99 • 6	99.7	100.0	100.
6 E	2 eo	15.4	94.5	95.8	98.5	99.6	99.6	99.7	100.0	100.
GE	1001	15.4	94.5	95-8	98.5	99.6	99.6	99.7	100.0	100.
*-	CCI	Ē	•	<del>-</del>			3		100.0	100.
ع ن	01	15.4	94.5	95.8	98.5	99.6	99.6	9.9: <sub>•</sub> -7	1.00 + 0	100.
٠.,			4-6 000-6 010-6						••• • • • • • • • • • • • • • • • • •	
										=

TOTAL NUMBER OF OBSERVATIONS:

### REQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

RF ORD	υĸ							-76,80- (LST):		00	-
			HUNDRED!			9. 0 · 0 · 0 · 0 · 0	0-0 0 0 0-0 0	• • • • • •	•••••	1	•
3 <b>E</b>	GE	GE	GE	GE	GE	GE	GΕ	GE	GE	GE	
40	32	24	20		12	10	8	5	4	Q	·
						• • • • • •					•.
5.4	30.4	30.4	30.4	30 •-4	30.4	30.4	30.4	30.4	30.4	30.4	4
7 (	37.6	37.6	77 4	37.• 6	37.6	37.6	37.6	37.6	37.6	37.6	
7 • 6 7 • 8	37.8	37.8	37 • 6 37 • 8	37:•8	37.8	37 • · 8	37.68	37.8	37.8	37.8	4
7.8	37.8	37.8	37.8	37. 8	37.8 37.8	37 • 8	37.8	37.8	3.7 • 8	37.•8	*
8.3	38.3	38.3	38.3	38 • 3	38.3	38.3	38.3	38.3	38.3	38.3	
9,9	39.9	39.9	39.9	39 • 9	39.9	39.9	39.9	39.9	39.9	39 • <u>-</u> 9	
7. 7	37 4-7	3.9.9	37.7	37.7	2) • )	3747	37 6 7	3767	37.7	J / 6-7	•
5.2	45.2	45.2	45.2	45.2	4-5 <sub>-•</sub> 2-	452	45.2	45.2	45.2	45.2	
6.1	46 -1	46.1	4.6 • 1	461	46.1	46.1	46.1	46.1	46.1	46.1	•
6. Î 98	49.8	49.8	49.8	49 • 8	49.8	498	498	49.8	49 8	49.8	•
Ū• 5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	49 8 50.5	50.5	
Ū•5 3•0	53 ₀0	53. p	53.0	53.0	530	53-0	53.0	53.0	53.0	53.0	
								-			
1.6 7.4	61.6	61.6	61.6	61.6	61.6	61.6	616	61.6	61.6	61-66	
7 • 4	6.7 • 4	67.4	67.4	67 • 4	67.4	67.•4	67.4	67.4	67.4	- <u>67.•4</u>	•
5 • 5	75.5	75.5	7.5. 5	75.5	75.5	75.5	75 - 5	75.5	75.5	75.5	
5.5 5.4 9.9	8.0.4	80,4	80.4	80 • 4	80.4	80.4	80.4	8 <b>0</b> • 4	8·0 · 4	8-0 -4	
9.9	899	89.9	8-9.9	89-•9	89 •-9	89 • 9	89.•9	899	89.9	89.9	,
12	91.2	91.2	91.2	912	91.2	91.2	91.2	91.2	91-•2	91.2	-
3.2	93.2	93.2	93.2	93.2	93.2	93.2	932	93.2	93.2	93.2	
3• <u>5</u>	93.45	93.5	93.5	985	93.5	9-35	93.5	93.5	93.5	93.5	•
4.6	94.6	94.6	9.4.• 6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	
7 3	97.3	97.3	97.3	9.7 - 3	97.3	97.3	9-7 • 3	97.3	97.3	97.3	
			,	.,,,,		, <b>.</b>	.,,,	,,,,,	,,,,	,,,,	
. 9	9.8.9	98.9		98.9	98.9	98.9	9.8 • 9-	98.9	98.9	98.9	
8 • 9 7 • 1	98 • 9	98.9	98.9	98.9	98 •-9-	98.9	98:∙9	98.9	98.9	989	
	99.1	99.1	99.1	99.4.1	99 •₌1	99 -1	99 • 1	9.9 • 1	99.1	99.1	
9∙5	99.5	99.5	995	99.5	99.5	99•5	99.5	995-	995	99.5	
7.6	99.6	99.6	9-9 - 6	99•6	99.6	99-6	99-6	99.6	99•.6	99.6	
7.6	99.6	99.≓6	00 4	99.6	99.6	9.9₌. 6	00 6	00.4	99.6	99-•6	
y • 6	99.7	99.7	99.6 99.7	99.0 997	99.7	99.0	99•6 99•7	99 ∙ 6 99 • 7	99.5	9:9.•.7	
7.6	99.7	100. g	100.0	100.0	100.0	100.0	100.0	100,0	100.0		
? • 6 } • 6	9.9.7	100.0	100.0	100.0	-	-	_		100.0	100÷0	
					100.0	100.0	100.0	1:00.0		100.0	
) <b>-</b> -6	99,7	100.0	130.0	100.0	100.0	100.0	100.0	1:0 <u>0</u> • 0	100∙0	100-0	
ž. 6	99.7	100.0	100.0	1.00 - 0	100.0	100.0	100.0	100.0	100.0	100.0	
			** ****** * *		0.0 1 1.0-0.0						• ,

 $C_{I}$ 

	LING			• • • • • •	• • • • • •	)			ITY IN I	
I		GT	GE	GΕ	GE	ĠE	GE '	GE	GE.	GE
FE	-	160	90	80 80	6D	48	40	32	2-4	2
	-									
			• • • • • • •	• • • • •	• • • • • • • •				• • • • • • •	• • • • •
N-C	CEIL	5.5	31.4	31.8	31.8	31-48	31.8	31.8	31.8	31.
	20000	8.1	39.7	40.1	40.2	40.2	40.2	40.2	40.2	40.
	18000	8.2	39.8	40.2	40.4	40.4	40.4	40.4	40.4	40.
	16000	8.2	39.8	40.2	40.4	40.4	40 • 4	40.4	40.4	40.
	140001	9- O	40.8	41.2	41.3	41.3	41.3	41.3	41.3	41.
GE	12000	9.3	4.1 + 2	41.6	41.7	41.7	41.7	41.7	41.7	41.
GE	100001	9.7	47.0	47.4	47.5	47.5	47.5	47.5	47.5	47.
GE	90001	9.9	48.2	48-46	48.9	48.9	489	489	48.9	48-
GE	1.0003	9 9	52.6	53.C	53.3	53.3	53° 3	53.3	53.3	53.
GΕ	70001	10.1	54.1	54.5	54.8	54.8	54.8	54.8	54.8	54.
GΕ	60001	11.1	57.4	57.8	58.0	58.0	58 · C	58.0	58-0	58
GE	- 5000 l	13.6	71.1	71.8	72.7	77.0	72•9	72.9	72.9	72.
GE	45001	14.6	77.5	78.1		72.9				
	•				7-91	79.2	79.2	79 •2	79.2	79.
ÇΕ	40001	14.8	83.3	83.9	849	85.0	85.0	8.5 • 0	85.0	85.
GE	3500	15.1	0.63	86.6	87.6	87.7	87.7	87.7	87.7	8-7-
G.E	3000	15.4	90.3	91.0	919	92.0	92. D	92.0	92.0	92.
GE	25001	15.5	91.0	91.6	92.• 7	93.0	93.0	93.0	93.0	93.
GE	2000-	15.7	91.8	92.4	93-5	93.8	93.8	93.8	93.9	93.
GΕ	1800	15.8	92.0	92.8	93.9	94.2	94.2	94.2	94.3	94:•
GΕ	1500l	15.9	93-8	94.6	95 . 7	96.2	96.2	96.2	96.4	96.
G.E	1200	16.1	94.9	95.8	96.9	97.4	97 4	97.4	976-	97∙
GE	10001	16.1	95-1	9.6 • 4	9.7 • 7	98.5	98.5	98.5	98.7	98•
GE	9804	16.1	25.1	96.4	97.7	98.5	98.5	98.5	98.7	9.8
GE	8001	16.1	95.1	96.4	97.7	98.5	98.5	98.5	98.7	9.8.
G-E	7001	16.1	95.3	96.6	98 • 1	90.1	99.1	99-2	993	99.
G.E	600	16.1	75.3	9.66	98.1	99.1	99.1	99.5	99.6	99.
0-4	000,	1011	/ w=0 -w	7-0-40	7011	//•1	2-2 + 1	99.3	) ) • O	,,,
6 E	500-	16.1	95 • 4	96.8	98.2	99.2	99.2	99.6	99.7	99.
GE	460	16.1	95.4	96.8	98.2	99-2	99.2	99.6	99.7	99.
GE	3001	1.6.1	95 • 4	96.8	98.2	99.2	99.2	99 • 6	100.0	100.
GE	2001	1.6.1	95.4	96.8	98., 2	99.2	99.2	99.6	100.0	100.
GE	1.001	1-6 - 1	954	96.8	98.2	492	99.2	99.6	100.0	100
^-	~ 1		ar .	0.4						
GE	U I	1-6. 1	95.4	- '	98 - 2		99•2	99.6	100.0	109.
•= e=e					•• 4 6 K 6 • 6		-		9-8 8- <u>8</u> R 8 8	• • • • •

TOTAL NUMBER OF OBSERVATIONS: 741

### EQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

ORD	UK							-76,80- -(L\$T):		00	Ú
V	 ISIBIL	ITY IN						• • • • • •		• • • • • • • • • • •	• ;
	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	
0	32	24	20	16	12	10	8	5	4	0.	J
• • •		• • • • • •	• • • • • •	• • • • • •		• • • • • •			•••••		•
											_
გ	31.8	31.8	31.8	31 • -8	31.8	31.8	31 • 8	31.8	3-1_• 8	31.8	3
2	40.2	40.2	4-0 - 2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	
4	40.4	40.4	40.4	40.4	4 C . 4	40.4	40.4	40.4	40.4	4:0 • 4	1
4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	45
	41.3	41.3	41.3	413	41.3	4-1.3	41.3	41.3	41.3	41.3	
3 7	41.7	41.7	41.7	41.7	4-1.7	41.7	41.7	41.7	41.7	41.7	
						• •					•
5	47.5	47. 5	4-7.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	
ģ.	48.9	48.9	48.9	48.9	48.9	48-•9	48.9	48.9	48.9	48.∙9	)
9 3	53.3	5.3 • 3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.43	-A
8	54-8	54.8	54.48	-548	54-8	54.8	548	54.8	54.8	54.8	
C	5.8 • 0	58.C	58.0	58.0	58.0	58.∙0	58 <b>.</b> 0	58.0	58.0	58.0	)
		70.6	70 0	70.0	70.0	75.0	7 Å Å		70.0	70.0	_
- 9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	
Š	79.2	79.2	79.2	79.2	79.2	79 • 2	79.2	792	79.2	79.2	ű
D _	85.0	850	85.0	85.0	85.0	85.0	850	85.0	8:5 • 0	85.0	
7 C	87.7	8.7 • 7	87.7	87.7	87.7	87.7	87.7	8-7 • 7	877	877	
C	92.0	92.0	92.0	92.0	92-0	92.0	92.0	92.0	92.0	92.0	
G	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.•8	93.0	
ង	93.8	9:3.9	9-3.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	
	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	, mari
2	96.2	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	
4	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	)
5 5	98.5	98.7	98-•7	9-8-• 7	98.7	98.7		98.7	98.7	98.7	
5	98.5	98.7	98.7	987	98.7	98.•7	98.7	28.7	98.7	98.7	Ĵ
5	98.5	98.7	9.87	98.7	98.7	98.7	98.7	98.7	98.7	98.7	~
1	99.2	99.3	99.3	99.3	99.3	99.• 3	99.3	9.93	99.3	99.3	
1	99•5	99.6	99-6	99.6	99-•6	99 • 6	99.6	99 • 6	99.6	99.46	Mg unsi
	99.6	99.7	99.7	99.7	99-∙7	99.7	99.7	997	99.7	997	
2 2 2 2 2 2	99.6	99.7	99.7	99.7	99.1	99.7	99.7	99.7	9.97	99.7	4 <u>-</u> نير-
2	99.6	100.0	100.0	106.0	100.0	1.00.0	100.0	100.0	100.0	100.0	نبد-
12	99.6	1.00.0	100.0	100.0	1.00.0	100.0	100.0	100.0	100.0	100.0	
2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
-	,,,,	10040	100 <b>,</b> 0	1.00+0	T-00 4:0	1004.0	700 • U	J:UU + U	10010	7.00 A O	`
2	99.6	100.0	1000	100.0	100 :0		100.0	100.0	100.0	100.0	
1		0-0 0 g.e="0=0	*** * * * ***	• • • • • •	ere e e ellere		* - 0) + 0 + 0 + 0	•••••••	• • • • • •		• • • •
1											
1						=					C
l					-						٠-

Ð

				• • • • •						
	LING	C.T.	<b>6</b> 5	C	or	C.C.		VISIBIL] GE	GE	
I	-	GT	GE	GE	GE	GE				G
FE	•	160	9.0	30	60	48	40	32	24	
• • •	• • • • • • •	• • • • •	• • • • • • •	• • • • • •	• • • • • • •		• • • • • •	• • • • • • •	• • • • • •	• • • •
N-C	CEIL	2.7	38.6	39.1	39.5	39.5	39.5	39.5	39.5	39
	<u> </u>		: -							
	200001	3.3	45.7	46.2	46.7	46.7	46.7	46.7	46.7	46
	180001	3.3	45.8	46.3	46 • 8	, 9	46.8	46.8	468	46
	16000	3.3	46.0	46.5	47.1	<i>±</i>	47.0	47.0	47.0	47
	14000	3.3	46.0	46.5	47 🛊	. , 0	47.0	47.0	47.0	4.7
GΕ	12000	3.5	47.3	47.8	48,	.5.3	48 . 3	48.3	48.3	48
6 E	100 00 [	3.5	52 • 7	53.2	53.7	53.7	53.7	53.7	53.7	53
GE	9000	3.5	54.0	54.5	55.0	55.0	55.0	55.0	55.4	55
GE	80 CC	3.5	6.1 2	61.9	62.4	62.4	62.4	62.4	62.7	62
GΕ	7000	3.5	63 <b>.</b> n	63.7	64.2	64.2	64.2	64.2	64.5	64
GE	60 00 l	3 • 8	65.6	66.2	66.7	66 • 7	66.7	66.7	67.1	67
GE	50001	4.8	76.1	76.8	77 • 8	77-•8	77-9	77.9	78.3	78
GE	4500	4.8	79.8	80.6	81.6	81.6	8-1.8	81.8	82.1	82
GE	4000	4.8	84.1	84.9	86.0	86.0	86.1	86.4	86.5	86
GE	35 00	4.8	86.1	87.0	88.6	88.0	88.1	88.1	88.5	88
GE	30001	5 · C	88.8	89.6	91.0	91.0	91.1	91.1	91.5	91
	~000 i	J. C.	(,0,0,0)	• • • • • • • • • • • • • • • • • • • •						
GE	25 60 (	5.0	89.1	90.0	91.5	91.5	91.6	91.6	92.0	92
G E	20001	5.0	90.1	91.0	92.8	92.8	93.0	93.0	93.3	93
GE	1800	5.0	90.3	91.1	93.1	93-∙1	93.3	93.5	93.8	93
GE	1500	5.0	91.8	92.8	95.2	95.7	95.8	96.2	96.5	96
GE	12001	5.0	92.0	93.0	95.3	95.8	96 • D	96.3	96.7	96
GE	10001	5.0	92.5	93.5	96 • 2	968	97.0	97.5	98•2	9.8
	9001	5.0			963	97.0	97• U	97.7	98.3	98
GE	-	5.0	92-6	93.6	96.3	97.0 97.0	97.2	97.7	98.3	98
G E G E	800   700		92.6	93.6	96 • 3 96 • 8	977	97.8	983	99.0	99 96
GE	6001	5.n	92÷6	93.6			97.8	98.5	99.2	99
G E	6 00 1	5.0	92.6	93.6	968	97.7	97.8	90.0	99.2	77
GE	5 gg [	5.0	92.6	93.6	96 • 8	98 • 2	98.3	99.0	99.7	9 9
GE	0001	5.0	92.6	93.6	96 • 8	98.2	98.3	99.0	99.7	99
GE	300	5.0	92.6	93.6	96 •-8	98.2	98.3	99.0	99-•7	99
GE	2 00-	5.0	92.6	93.6	96 • 8	98.2	98.3	99.0	99.7	9.9
6 E	1004	5.0	926	93.6	96 . 8	98.2	98.3	99•0	99.7	9 9
GΕ	0-1	5.0	926	93.6	96-8	98.2	98.3	99.0	99.7	99

TOTAL NUMBER OF OBSERVATIONS: 598

(

IL REQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
ON FROM HOURLY OBSERVATIONS

	RF	ORD	UK							MONTH	OF REC	HOURS	(LS†):	1-800-20	.00
F	• •	v :	IST	BIL	TTY	TN F	חמנו	REDS	OF ME	TERS	-4 • • • • •		• • • • • •	• • • • • •	•••
GE.	GE			E		Ē		E	GE	GE	GE	GE	GE	GE	GE
1 0	4			32		24		20	16	12	10	8	5	4	0
• •															4-4 4 4 4 4 4 4 4 4
	Į														
9•!	!		39	• 5	39	• 5	39	. 5	39 • 5	39.5	39-∙5	39-•5	39.5	39.5	39.5
6.			46			. 7	46	• 7	46.7	46.7	46.7	46.7	46 • 7	46.7	46.7
6.1	16.	ង	46		46		46		46.8	46.8	46.8	46.8	46-8	46.8	46.8
7.	7.	C .		•0		• 0	47		47.0	47. <sub>0</sub>	47.0	47.0	47.0	47.0	47.0
7 • 9	17.	0	47	.0		• 0	47	• 0	47.0	47 • Õ	47.0	47.0	47 • n	47.0	47.0
8 . :	٤.	3	48	. 3	48	• 3	48	. 3	48.3	48.3	48.•3	483	48.3	48.3	48.3
3.	3.	7	53			• 7	53		53.7	53.7	53.7	53.7	53.7	53.7	53.7
5 •	55.	C	55		55		55		55.4	⁺5:5.• 4	55.4	55-∙4	55.4	5-5 • 4	55.4
2 •	12.	4	62		62		62		62.7	62.7	62.7	62.7	62.7	62.7	62.7
4 •	\$4.	2	64		64		64		64.5	64.5	64.5	64.5	64.5	64.5	64.5
7-•	1		66	• 7	67	• 1	67	• 1	67.1	67.1	67.1	67.1	67-1	67.1	67.1
8 • :	7.	9	77		78		7.8		78.3	78.3	78.3	78.3	78.3	78.3	78.3
2.	11.	8	81		82		82		82.1	82.1	82.1	82.1	82.1	82.1	82.1
6 •	6.	1	86		86		86		86 • 5	86 • 5	86.5	86 • 5	86.5	86.5	86.5
8 • 3	8.	1	88		88		88		88.5	88.5	88-,-5	88.• 5	88.5	88-∔5	88.5
	i		91	• 1	94	• 5	91	• 5	91.6	91.6	91.6	91.6	9-1.6	9-1-6	91.6
2.	11.	6	91		92		92		92.1	92.1	92.1	92 1	92.1	92.1	92.1
3 • i	٠٤٠	IJ ~	93		93		93		93.5	93.5	93.5	93,5	93.5	93.5	93.5
4 . 6 .			93		93		93		94.0	94.0	94 • D	94 • 0	94.0	94.0	94 • O
			96		96		96		96.7	96.7	96.7	967	96.7	96.7	96-•7
6 .			96	• 3	96	• 1	96	• 1	96.8	96.8	96.8	96 •≀8	96.18	96.8	96.8
8 • 8 •	7.	3	97		98	. 2	98	•:2	98,3	98.3	98.3	98.3	98.3	98.43	98.3
8.	17.	2	97		98	• 3	98	• 3	98.5	98•-5	98.5	98.5	98.5	98.5	98.5
8 .	7.	2	97		98	• 3	98	• 3	98.5	98.5	98.5	98.5	98.• 5	98.5	98 •़5
9.	<b>.</b> 7.	ઇ	98.		99	-	99	• 0	99.3	99.3	99.3	99.3	99 3	99.3	99.3
9.	7.	ક	98	• 5	99	• 2	99	• 2	99.5	99.5	99.5	99.5	99.5	99.5	995
0.			99	_	9.9		9.9		100.0	100.0	1-00.0	100.0	100.0	100.0	100.0
0.			99		99		99		10 <sub>0.0</sub>	100.0	100.0	100.0	100.0	100.0	100.0
0.	18.	<u>خ</u>	99		99.		99		100.0	100.0	100.0	1.00.0	100.0	100.0	100.0
0.			99		99		99		100.0	100.0	100.0	100.0	1.00.0	100.0	100.0
ր.	8.	3	99	• 0	99	• 7	99	• 7	1.00 • 0	100.0	100.0	100.0	100.0	100.0	100.0
<b>0</b> • .	<b>8</b> .	3	99	• 0	99	. 7	99	7	100.0	100.0	100.0	100⊕ ₫	100.0	100.0	100•C
••		• • • •	••	• • • =	· • • •	• • • •	• • .	(I <b>8 0</b> -9	o- <i>o o o</i> o.o.	-•••••	-4 # 4-9-4 # #	e- स-e ē e êre	• • • • • •	6 02 0 10 0 0 0 0	0.0 0 0 0 0 0 0 0.0

1

 $\bigcirc$ 

					• • • • • • •				• •-•·• •- • • •	
	LING								ITY IN F	IUN
	N -	***		GE	GE	GE		GE	GE	
	ET	160	90	80	60	48	4-0	32	2 4	-
• • •	- 6 6 6 6 6-6-6	••••	• • • • • •	• • • • • •	• • • • • • •	1 # 3-6 # #-#-(	1 C 0=6 6 4 4	• • • • • •	t-0. + + + + +-+. c	• • •
NO	CEIL	5.8	48.9	49.3	49 • 8	50.1	50•2	50.2	50.2	<b>5</b>
~	200001	6.8	52.7	53.5	54-1	54.4	54.6	54.6	54.6	5 5 5 5
	18000	6 • 8	52.7	53.5	54.1	54.4	54.6	54.6	54.6	5
	16000	6.8	52.8	53.6	54 • 3	54.6	54.8	54.8	54.8	5
	14000	6.9	53.2	54.0	54.6	54.9	55.1	55.1	<b>55 - 1</b>	5
GE	12000	7.1	54.6	55.4	56.1	56.4	56.• 5	56.5	56.5	5
GΕ	100001	7.3	57.2	58.0	58-⊷6	59.0	59.1	59.1	59.1	5
GE	90001	7.3	58.0	58.8	59-•8	60 - 1	3 • 0،	60.3	60.3	6
GE	80001	7.3	60.1	66.9	61.9	62 • 4	62.5	62.5	62.5	6
GΕ	7-0 oc 1	7.3	62.2	63.0	64.0	64.5	64.6	64.6	64.6	6
GE	6000	7.3	63.7	64.6	65.8	66-2	66.4	66.4	66.4	6
GE	50001	7.6	72.5	73.7	75.0	75.6	75.8	75.8	75 9	7
ů-E	45001	76	75.6	76.9	78 - 4	79.2	79.3	79.3	79.6	7
GΕ	40001	7.6	78-•7	80.1	81.6	82.4	82.6	82.6	82.9	8
Gξ	35001	7.8	81.3	82.7	84 - 2	85.0	85.1	85.1	85.5	8
GE	30001	7.9	85.1	86.6	88.0	88.9	89. C	89.0	89.3	8
GΕ	2500-1	7.9	859	87.4	88•9	89.7	89.8	898	90.1	9
GΕ	20001	7.9	86.8	88.2	89.7	9p.5	90.6	90.6	91.0	9
GΕ	19001	7.9	86.8	88.2	89.7	90.5	90.6	90.8	91.1	9
GE	1500	7.9	28.9	90.3	91.8	92.7	92.9	93.1	93.4	9
G	12001	7.0	90.3	91.8	93.2	94 • 2	94.3	94.5	94-• 8	9
GE	10001	7.9	91.4	929	945	95.5	95•6	95.8	96.1	9
6 E	9001	7.9	91.8	93.4	95.û	96.0	96.1	96.3	96.9	9
GE	8001	7.9	92.1	93.7	95.5	96.4	96.6	96.8	97.4	9
ΰE	7001	7.9	92.2	93.9	95.8	96 • 9	97.1	97.6	98.2	9
ű E	600.	7.9	92.2	93.9	95-• 8	96 - 9	97.1	97.9	98-5	ģ
			/L   Z	, , , ,	75°C	,00,	7142	,,,,,	,0,0	,
GE		7.9	92.2		95.8	96.9	97.1	98.2	98•9	9
6 E		7.9	92.2	93.9	96.0	97:1	97.3	98.4	99.2	9
GΕ	3001	7.9		93.9	96 • D	97.1	97 3			9
GE	2001	7.9		93.9	96 • 0	97.1	97.3	98 • 4	99.4	9
GΞ	100	7.9	9.2 • 2	93.9	96. <u>D</u>	97.1	97.3	98.4	99•-4	9
G E	<b>8</b> 3-	7.9	92 - 2	93.9	960	9-7 • 1	97 <b>.</b> Š	98.4	99.4	9
				A + B + B + B + B + B			. 17		* *-***.#- * *.4	

TOTAL NUMBER OF OBSERVATIONS: 619

(

### FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

•	VISIBIL	TTY TN I	UNDRED	S OF ME		• • • • • • •	• • • • • •	• • • • • •	• • • • • •		•
Ē	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	
40	32	24	20	16	12	10	8	_5	4	0	
• • •	• • • • • • •		• • • • • • •		• • • • • •	• • • • • •	• • • • • •	• • • • • •	• • • • • •	• • • • • • • •	•
. 2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	
1.6									54.6	54.6	
1.6	54.6 54.6	54.6 54.6	54.6 54.6	54.6 54.6	54•6 54•6	54.6 54.6	54.6 54.6	54•6 54•6	54.6	54.6	
4.8	54 .8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	
5.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	
6.5	56.5	56.5	56.5	56 • 5	56.5	56.5	56.5	56.5	56.5	56.5	
		•	30 5								
9.1	59.1	59.1	59.1	59.5	59.5	59.5	59.5	59.5	59.5	59.5	
0.3	60.3	60.3	60.3	60.6	60.6	60.6	60.6	60.6	60.6	60•6	
2.5	62.5	62.5	62.5	62.8	62.8	62.8	62.8	62.8	62.8	62.8	
4.6	64.6	64 • 6	64.6	65.1	65.1	65.1	65.1	65.1	65.1	65.1	
6.4	66.4	66.4	66.4	66.9	66 • <sup>9</sup>	66•9	66.9	66.9	66.9	66.9	
5.8	75.8	75.9	75.9	76.4	76.4	76.4	76.4	76.4	76.4	7.6 • 4	
ऽ∙ उ	79.3	79.6	79.6	80.1	80.1	80.1	80.1	80.1	80.1	80.1	
2,6	82.6	82.9	82.9	83.4	83.4	83.4	83.4	83.4	83.4	83.4	
5.1	85.1	85.5	85.5	85.9	85.9	85.9	85 4 9	85.9	85.9	85.9	
9 • C	89.0	89.3	89.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	
9.8	89.8	90.1	90.1	90.8	90.8	90.8	90.8	90.8	90.8	90.8	
0.6	90.6	91.0	91.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6	
C • 6	90.8	91.1	91.1	91.8	91.8	91.8	91.8	91.8	91.8	91.8	
2,9	93.1	93.4	93.4	94.0	94.0	94.0	94.0	94.0	94.0	94.0	
4.3	94.5	94.8	94.8	95.5	95.5	95.5	95.5	95.5	95•5	95.5	
5.6	95.8	96.1	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	
6.1	96.3	96.9	96.9	97.6	97.6	97.6	97.6	97.6	97.6	97.6	
6.6	96.8	97.4	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	
7.1	97.6	98.2	98.2	98.9	98.9	98.9	98.9	98.9	98.9	98•9	
7.1	97.9	98.5	98.5	99.2	99.2	99.2	99.2	99.2	99.2	99.2	
7.1	98.2	98•9	98 • 9	99.5	99.5	99.5	99.5	99.5	99.5	99.5	
7.3	98.4	99.2	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	
7.3	98.4	99.2	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	
7.3	98.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
7.3	98.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
7.3	98.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

]	ILING In   EET	GT 160	GE 90	GE 80	GE 60	GE 48		VISIBILI GE 32		
		• • • • • •	• • • • • • •	• • • • • •		• • • • • •	• • • • •	<i>.</i>	• • • • • •	• • • •
NC	CEIL	4.8	33.2	34.3	36 • 1	36 : 9	37.0	37.3	37.6	37.
6 E	20000  18000  16000	6.8 6.8	39.1 39.2 39.3	40.4 40.5 40.5	42.4 42.5 42.5	43.3 43.4 43.5	43.4 43.5 43.6	43.8 43.9 43.9	44.1 44.2 44.2 44.6	44. 44. 44.
	14000   12000	7.0 7.3	39.6 40.6	40.9 41.9	42 • 9 44 • 0	43.9 44.9	44.0 45.0	44.3 45.4	45.7	44.
GE GE GE	10000   9000   8000   7000   6000	7.6 7.7 7.7 7.8 8.1	44.3 45.4 49.1 50.3 52.0	45.6 46.8 50.5 51.8 53.6	48.0 49.2 53.1 54.5 56.3	48.9 50.2 54.1 55.5 57.3	49.0 50.3 54.3 55.6 57.5	49.4 50.7 54.8 56.1 58.0	49.7 51.1 55.2 56.5 58.4	50 51 55 56 58
GE GE GE GE	5000   4500   4000   3500   3000	9.0 9.4 9.7 10.0 10.4	59.8 63.8 68.2 71.3 76.2	61.4 65.5 69.9 73.1 78.1	64.4 68.5 73.1 76.3 81.4	65.5 69.7 74.4 77.6 82.7	65.7 69.9 74.6 77.9 83.0	66.3 7g.6 75.3 78.5 83.7	66.7 71.0 75.7 79.0 84.1	67 71 76 79 84
6 E 6 E 6 E 6 E	2500   2000   1800   1500   1200	10.9 11.0	77.2 78.9 79.2 81.0 82.9	79.1 80.8 81.2 83.0 85.1	82.5 84.3 84.7 86.8 88.9	83.8 85.6 86.0 88.2 90.5	84 • G 85 • 9 86 • 3 88 • 5 90 • 8	84.8 86.7 87.1 89.4 91.7	85.2 87.1 87.6 89.9 92.3	85 87 87 90 92
GE GE GE	1006  900  860  700  600	11.2 11.2 11.2 11.2 11.2	84.1 £4.4 84.7 85.0 85.2	86.4 86.7 87.1 87.5 87.7	90.3 90.9 91.4 92.1 92.4	92.2 92.7 93.2 94.0 94.4	92.6 93.0 93.5 94.4 94.8	93.5 94.0 94.6 95.6 96.3	94.1 94.7 95.3 96.3 97.1	94 95 95 96 97
G E G E G E G E		11.2 11.2 11.2	85.2 35.2	87.8 87.9 87.9 87.9	92.5 92.0 92.6 92.6 92.6	94.6 54.7 94.7 94.7	95.0 95.1 95.1 95.2 95.2	96 • 7 96 • 7 96 • 8	97.4 97.7 97.9 97.9 98.0	97 98 98 98 98
GE			25.2	87.9		•	-	96.8	98.0	98

TCTAL NUMBER OF OBSERVATIONS: 5559

Ü

Ĺ

(

1

(

(

(

Į	kD UK				PERIOD MONTH	OF REC		-76,80-8 (LST):	36 ALL		
E			• • • • • •			• • • • • •	• • • • • •	• • • • • •	• • • • • •	•	•
1	VISIBIL	ITY IN	HUNDRED	S OF ME	TERS						
1	CE	GE	ĞE	GE	GE	GE	GE	GE	GE	÷GE	
1	32	24	20	16	1.2	10	8	5	4	0	
ŀ	• • • • • • •	• • • • • • •	• • • • • •			• • • • • •	• • • • • •				•
l											
ł	37.3	37.6	37.8	38.0	38.0	38.0	38.1	38.1	38.2	38.3	
Ì											
	43.8	44.1	44.3	44.5	44.5	44.6	44.6	44.7	44.7	44.9	
l	43.9	44.2	44.4	44 6	44.6	44.7	44.7	44.8	44.8	45.0	
ľ	43.9	44.2	44.5	44.6	44.7	44.7	44.8	44.8	44.8	45.0	
l	44.3	44.6	44.8	45.0	45.1	45.1	45.2	45.2	45.2	45.4	
Í	45.4	45.7	45.9	46.1	46.2	46.2	46.3	46.3	46.4	46.5	
Ì											
	49.4	49.7	50.0	50.2	50.2	50 • 3	50.3	50 - 4	50.4	50.6	
•	50.7	51.1	51.3	51.6	51.6	51.7	51.7	51 • 8	51.8	52.0	
	54.8	55.2	55.4	55.7	55.7	55.8	55.8	55.9	55,9	56.1	
	56.1	56.5	56.8	57.0	57.1	57.1	57.2	57.2	57.3	57.4	
	58 <b>.</b> 0	58.4	58•7	59.0	59.0	59.0	59.1	59.1	59.2	59.3	
ł											
	66.3	66.7	67.0	67.3	67.4	67.4	67.4	67.5	67.5	67.7	
	7n.6	71.0	71.3	71.6	71.6	71.7	71.7	71.8	71.8	72.0	
	75.3	75.7	76.0	76.3	76.4	76.4	76.5	76.5	76.5	76.7	
	78.5	79.0	79.3	79.6	79.6	79.7	79.7	79.8	79.8	80.0	
	83.7	84.1	84.4	84.8	84.8	84.8	84.9	84.9	85. <sub>0</sub>	85.1	
			•	•					J		
ì	84.8	85.2	85.6	85.9	85.9	86.0	86.0	86.1	86.1	86.3	
;	86.7	87.1	87.5	87.8	87.9	87-•9	88.0	88.0	88.1	88.2	
	87 · 1.	7.6	87.9	88.3	88.3	88.3	88.4	88.5	88.5	88.7	
	89.4	١,9	99.2	90 • 6	90.6	90.6	90.7	90.8	90.8	91.0	
	91.7	2,	92.7	93.1	93.1	93.2	93.2	93.3	93.3	93.5	
,											
,	93.5	94.Î	94.5	94.9	95.0	95.0	95.1	95.1	95.2	95.3	
ì	94 • D	94.7	95.1	95.5	95.6	95.6	95.7	95.7	95.8	95.9	
	94.6	95.3	95.7	96.1	96.2	96.2	96.3	96.4	96.4	96.6	
	95.6	96.3	96.7	97.2	97.3	97.3	97.4	97.4	97.5	97.6	
	96.3	97.1	97.5	98.0	98.1	98.2	98.42	98.3	98.3	98.5	
						•		•	-		
}	96.5	97.4	97.9	98.4	98.5	98.6	98.6	98.7	98.7	98.9	
	96.7	97.7	98.3	98.9	99.0	99•n	99.1	99.2	99.2	99.4	
	96.7	97.9	98.5	99.1	99.2	99.3	99.4	99.5	99.5	99.7	
	96.8	97.9	98.5	99.2	99.4	99.4	99 • 5	99.6	99.7	99.9	
	96.8	98.0	98.6	99.2	99.4	99.5	99.6	99.7	99.8	100.0	
				-		-	* *			<del>-</del>	
:	96.8	98.0	98.6	99.2	99.4	99.5	99.6	99.7	99.8	100.0	

 $\mathbf{i}_{-i}$ 

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEI	LING		• • • • • •				V	ISIBILI		
	N I	GT	GE	GE	GE.	GE		GE	GE	GE
	ET 1	160	90	80	60	48	4,0	32	24	2(
		• • • • •							• • • • • • •	
ИО	CEIL	5.6	48.2	49.0	54.4	55.7	55.7	55.7	55.8	55.
GE	20000]	7.3	52.5	57.4	59 • 2	61.1	61.4	61.4	61.5	61.
	18000	7.3	52.5	53.4	59.2	61 1	61.4	61.4	61.5	61.
	16000	7.3	52.5	53.4	59.2	61.1	61.4	61.4	61.5	61.
-	140001	7.6	52.8	53.7	59.5	61.4	61.7	61.7	61.8	61.
	12000	7.9	53.5	54.4	60.2	62.1	62.4	62.4	62.6	62.
	00001	• • •	35.5	• • • • • • • • • • • • • • • • • • • •		****	•=•		• • • •	• • •
GE	10000	7.9	56.1	57.2	63.5	65.4	65•6	65.6	65.8	65.
GE	90001	7.9	56.3	57.3	63.6	65.5	65.8	65.8	65.9	65•
GE	80001	7.9	57.3	58.5	64.9	66.8	67.1	67.1	67.3	67.
GE	7000	7 • 9	58.5	59.6	66 • 1	68.0	68.3	68.3	68.4	68.
GE	60001	7.9	59.8	61.0	67 • 8	69.7	70.0	70.0	70.2	70.
		• •	• • •	• • • • • • • • • • • • • • • • • • • •	01 - 0	~				
GΕ	50001	8.9	65.9	67.1	74 • 4	76.8	77.0	77.0	77.2	77.
GΕ	4500	9.2	67.7	68.9	76.2	78.5	78.8	78.8	78.9	78.
υĒ	40001	9.2	71.2	72.4	79.8	82.2	82.5	82.5	82.6	82.
GE	3500	9.7	73.2	74.7	82.5	84.8	85.1	85.1	85.2	85.
GE	3000	9.4	75.7	77.2	85.1	87.4	έ7·7	87.7	87.9	87.
-		, ,	, , , ,		33.1	0,04	0141	• • • • • • • • • • • • • • • • • • • •		• • •
GΕ	25001	9.4	76.5	77.9	85.8	88.2	88.5	88.5	88.6	88.
ĞĒ	2000	10.1	78.5	80.0	87.9	90.2	90.5	90.5	90.6	90.
GE	1800	10.4	79.4	80.8	88.7	91.1	91.4	91.4	91.5	91.
GE	15001	10.5	80.7	82.3	90.2	92.5	92 • 8	92.8	93.0	93.
CE	12001	11.5	82.3	83.9	91.8	94.2	94.4	94.4	94.6	94.
			~		,	,,,,,	, , ,	, 4 - 1	,	
GE	10001	12.C	83.9	85.5	93.4	96.1	96.3	96.3	96.5	96.
GΣ	9301	12.1	84.8	86.4	94.3	96.9	97.2	97.2	97.4	97,
GE	1003	12.1	85.1	86.7	94.6	97.2	97.5	97.7	97.8	97.
GE	7601	12.1	85.2	86.8	94.7	97.5	97.8	98.0	98.1	98
GE	600	12.1	85.7	87.3	95.2	98.0	98.2	98.4	98.5	98
-	•								• •	
GE	5 00 [	12.1	85.8	87.4	95.3	98.1	98.4	98.8	99.0	99
GE	4001	12.1	85.8	8.7.4	95 • 3	98.1	98.4	98.8	99.0	99
GE	3001	12.1	85.8	87.4	95.3	98.1	98.4	99.0	99.1	99
GE	2001	12.1	85.8	87.4	95.3	98.1	98.4	99.0	99.1	99
GE	100	12.1	85.8	87.4	95.3	98.1	98.4	99.0	99.1	99
				• -	=	<del>-</del>	- •			
GE	10	12.1	85.8	87.4	95.3	98.1	98.4	99.0	99.1	99

TOTAL NUMBER OF OBSERVATIONS: 684

#### IN FNTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

RAF FAIRFORD UK PERIOD OF RECORD: 75-76,81-86 MONTH: JUL HOURS (LST): 0000-0200 VISIBILITY IN HUNDREDS OF METERS ME GΕ GE GE GE GE ĢΕ GE GE GE GE 8 0 4 Q 12 10 48 24 20 16 32 16 1 56.3 56.3 .8 55.7 55.8 55.8 55 8 55.8 56.1 55.7 55.7 55.8 55.8 62.0 62.0 61.5 61.5 61.5 61.5 61.5 61.8 .5 61.1 61.4 61.5 61.4 62.0 62.0 61.5 61.5 61.5 61.5 61.5 61.8 61.4 61.5 .5 61.1 61.4 61.8 62.0 62.0 61.5 64.5 61.5 61.5 61.5 61.5 .5 \$1.1 61.4 61.4 62.3 62.1 62.3 . 8 £1.4 61.7 61.7 61.8 61.8 61.8 61.8 61.8 61.8 62.9 63.0 63.0 62.6 62.4 62.6 62.6 62.6 62.6 62.6 .6 f2.1 62.4 .8 \$5.4 66.2 65.8 65.8 65.8 66.1 66.2 65.8 65.8 65.8 65. ó 65.6 66.4 65.9 65.9 65.9 66.4 65.9 65.9 66.2 .9 h5 · 5 65.8 65.8 65 • 9 67.3 3 66.8 67.7 67.7 67.1 67.3 67.3 67.3 67.3 67.3 67.5 67.1 68.9 68.4 68.4 68.9 . 4 F8.0 68.3 68.3 68.4 68.4 68.4 68.4 68.7 70.0 70.0 70.2 70.2 70.2 70.2 70.2 70.2 70.5 70.6 70.6 .239.7 .216.8 77.6 77.2 77.2 77.2 77.5 77.6 77.2 77.2 77. G 77.0 77.2 79.4 78.9 79.2 79.4 .918.5 78.9 78.9 78.9 78.8 78.8 78.9 78.9 83.0 1.612.2 82.5 32.5 82.6 82.6 82.6 82.6 82.6 82.6 82.9 83.0 85.7 .. 214.8 85.2 85.2 85.2 85.2 85.2 85.5 85.7 85.2 85.1 85.1 87.9 87.9 88.3 88.3 87.9 87.9 88.2 87.9 87.9 917.4 87.7 87.7 89.0 88.9 89.0 1.6 8.2 88.5 88.5 88.6 88.6 88.6 88.6 88.6 88.6 90.6 90.6 90.6 9n.6 90.6 90.9 91.1 91.1 90.5 90.5 90.6 1.610.2 91.5 91.5 91.5 91.8 92.0 92.0 91.5 91.4 91.4 91.5 91.5 1.5,1.1 93.4 93.4 93.p 93.0 93.0 93.0 93.3 92.8 93.0 92.8 93.0 3.0.2.5 95.0 94.6 94.6 94.6 94.6 94.9 95.0 94.6 1.6.4.2 94.4 94.4 94.6 96.9 96.5 96.5 96.8 96.9 3.56.1 96.5 96.5 96.5 96.3 96.3 96.5 97.7 97.8 97.8 97.4 97.4 97.4 97.4 97.4 7.46.9 97.2 97.2 97.4 98.2 98.2 7.817.2 97.5 97.7 97.8 97.8 97.8 97.8 97.8 97.8 98.1 98.5 98.5 98.1 98:4 98.0 98.1 98.1 98.1 3.17.5 97.8 98.1 98.1 99.0 98.5 98.8 99.0 8.53.3 98.2 98.4 98.5 98.5 98.5 98.5 98.5 99.0 99.4 99.0 99.0 99.0 99.0 99.3 99.4 9.03.1 98.4 98.8 99.0 99.4 99.0 99.4 99.0 99.0 99.0 99.3 99.0 9.08.1 98.4 98.8 99.0 99.7 99.1 99.3 99.6 99.3 99.3 99.7 99.3 9.33.1 98.4 99.0 99.1

99.3

9953

99.3

9.33.1

9.38.1

9.38.1

98.4

98.4

98.4

99.0

99.0

99.0

99.1

99.1

99.1

99.1 99.1

99.1

99.3

99.3

99.3

99.3

99.3

99.3

9943

99.3

99.3

99.6

99.6

99.6

99.7

99.7

99.7

99.7

100 · n

100.0

AIR WEATHER SERVICE/MAC

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE O USAFETAC FROM HOURLY OBSER FROM HOURLY OBSER

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CE	ILIMG		• • • • • •	• • • • • •	• • • • • •	• • • • • •		ISIBIL:		
	IN	GT	GE	Gε	GΕ	GE		GE	GĒ	GE
	EET Í	160	90	80	60	48	40	32	24	20
			• • • • • •						۷٦	2 ز
• • •			• • • • • • •	• • • • • •	• • • • • •		• • • • • • •	• • • • • •	• • • • • • •	• • • • • •
NC	CEIL	3.7	28.5	29.6	33.7	36.9	38.1	39.0	40.0	41.4
GE	200001	4.0	33.1	34.7	39 <b>.</b> D	46.4	43.7	44.9	45.9	47.3
	18000	4.9	33.1	34 • 7	39.0	42.4	43.7	44.9	45.9	47.3
	16000	4.9	33.1	34.7	39.U	42.4			45.9	
	140001	5.1	33.3				43.7	44.9		47.3
	12000			34.8	39.3	42.7	44.0	45.2	46.2	47.6
υĘ	120 00 [	5.6	34.8	36.4	40.9	44.2	45.5	46.9	47: 9	49.3
GE	10000	5.8	37.9	39.5	44.7	48.2	49.4	50.8	51.8	53.2
GE	9000	5.9	38.5	40.2	45.5	49.0	50.3	51.7	52.7	54.1
GE	8ngŋ	5.9	40.4	42.1	47.8	51.5	52.8	54.6	55 8	57.1
GE	70001	5.9	41.0	42.7	48.3	52.2	53.5	55.3	56.5	58 1
GE	60003	5.9	42.1	43.8	49.4	53.5	54.8	56.6	57.9	59.6
	•	•		, , , ,	· · · ·	2370	3 / • 0	30.0	3147	37.00
υE	scool	6.3	46.3	48.2	54 • 1	58.1	59.4	61.4	62.6	64.5
GE	45 00 1	6.3	47.9	49.7	55.9	60.0	61.2	63.3	64.6	
GE	40001	6.7	50.7	52.5	59.0	63.1				66.1
GE	3500	6.7	52.4	54.2			64.3	66.4	67.8	69.
GΕ	30001				61 · ŋ	65.0	66.3	68.4	69.8	71.6
U ič	20001	6.9	55.2	57.0	63.8	68.1	69.4	71.6	73.0	74.5
G-E	25 00	7 • C	56.3	5 ° 7	15 -	10.		70.0		
GE				58.3	65.0	69.4	70.6	72.9	74.3	76.:
	2000	7.3	59.6	61.7	68.4	72.9	74.2	76.7	78.1	80.
GC	1800	7 • 4	60.1	62.2	69.0	73.5	74.7	77.2	78.7	80.6
6 E	1500	7.4	61.8	63.9	70.6	75.3	76.5	79.1	80.5	82.1
GE	1200	8.0	63.9	66.0	72 • 9	77.5	78.8	81.3	82.7	84.
GE	1000	8.3	66.2	68.4	75.3	79.9	81.2	83.7	85.3	87.
GE	900.	8 • 3	66.9	69.1	76.0	80.6	<b>ยโ.</b> 9ี	84.4	86.0	87.
GE	1008	8.7	67.8	70.1	77.0	31.6	82.9	85.4	86.9	88.
GE	7001	8.8	68.8	71.2	78.2	82.9	84.1	86.7	88.2	90.7
ЬE	6 0 0 1	8.8	69.5	71.9	79.2	83.8	85.1	87.6	89.2	91.
			-,	• /	, , , , ,	0346	55.1	0,00	0 / • 2	7 1 • 1
GΕ	5001	8.8	69.7	72.1	79.6	84.3	85.5	88.1	89.6	0.1
GE	400	ଚ.8	69.7	72.1	79.8	84.4	85.7	88.2	90.2	91.
GE	3001	8•8	69.8	72.2	79.9					92.
GE	2001	8•8				84.6	85.8	88.3	90.3	92.
ύE			69.8	72.2	80.1	84.7	86.1	88.6	90.6	92.
υĘ	100	8.8	69.8	72.2	80.1	84.7	86.1	88.6	90.6	92.
G E	0.1	0 0	60.0	72 ~	00.	n				
υĘ	01	8.8	69.8	72.2	80.1	84.7	86.1	88.6	90.6	92.
	• • • • • • •	• • • • • •	• • • • • •	• • • • • • •				• • • • • •		

TOTAL NUMBER OF ORSERVATIONS: 712

	RD	HV				מבמדמם	05 050	000 a 75.	-76 OD-0	0.6		
٠.	•	UN						ORD: 75. HOURS			nn	
ΥE		• • • • • •	• • • • • • •							• • • • • • •		
	V	ISIBIL	ITY IN A	HUNDREDS								
ó	1	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	
• •	þ	32	24	20	1.6	12	10	8	5	4	0	
	<b>k</b>		• • • • • • •					• • • • • •				• •
7	į.											
	1	39.0	40.0	41.4	42.7	43.3	43.7	43.7	44.2	44.4	44.8	
5	1											
6	7	44.9	45.9	47.3	48.6	49.2	49.7	49.7	50.3	50.4	50.8	
5	7	44.9	45.9	47.3	48.6	49.2	49.7	49.7	50.3	50.4	50.8	
9	7	44.9	45.9	47.3	48.6	49.2	49.7	49.7	50.3	50.4	50.8	
6	P	45.2	46.2	47.6	48.9	49.4	50.0	50.0	50.6	50.7	51.1	
	5	46.9	47.9	49.3	50.6	51.1	51.7	51.7	52.2	52.4	52.8	
6	1											
8 1	4	50.8	51.8	53.2	54.6	55.2	55.8	55.8	56.3	56.5	56 • 9·	
	3 მ	51.7	52.7	54.1	55.8	56.3	56.9	56.9	57.4	57.6	58.0	
8 2		54.6	55.8	57.4	59.1	59.7	60.3	60.3	60.8	61.0	61.5	
2	5	55.3	56.5	58.1	59.8	60.4	61.0	61.0	61.5	61.7	62.2	
2	ક	56.6	57.9	59.6	61.2	61.8	62.4	62.4	62 • 9	63.1	63.6	
1	4	6.1 h	63.6	<i>( 11 -</i> <b>-</b>	(( )	( ( 0	( 7 W	6 <b>7</b> (1				
6		61.4 63.3	62.6	64.5	66.2 68.1	66.9 68.8	67.4	67.4	68.1	68.3	68.8	
6	2	66.4	64.6 67.8	66•4 69•7	71.6	72.3	69.4 73.0	69.4 73.2	70•1 73•9	70.2	70.8	
8	2 3 3	68.4	69.8	71.6	73.6	74.3	75.0	75.1	75.8	74.0 76.0	74.6 76.5	
•	ŭ	71.6	73.0	74.9	76.8	77.5	78.2	78.4	79.1	79.2		
2	•	11.0	13.0	1717	70.0	11.5	10.2	10.4	17+1	17.2	79•8	
0	6	72.9	74.3	76.3	78.2	78.9	79.6	79.8	80.5	80.6	81.2	
દ	2	76.7	78.1	80.1	82.0	82.7	83.4	83.6	84.3	84.4	85.0	
4	7	77.2	78.7	80.6	82.6	83.3	84.0	84.1	84.8	85.0	85.5	
7	5	79.1	80.5	82.4	84.4	85.1	85.8	86.0	86.7	86.8	87.4	
	8	81.3	82.7	84.7	86.7	87.4	88.1	88.2	88.9	89.0	89.6	
2	1						-					
9 9	<u>2</u>	83.7	85.3	87.2	89.2	89.9	90.6	90.7	91.4	91.6	92.1	
	ς	84.4	86,0	87.9	89.9	90.6	91.3	91.4	92.1	92.3	92.8	
-	9	85.4	86.9	88.9	90.9	91.6	92.3	92.4	93.1	93.3	93.8	
5	1	86.7	88.2	90.2	92.1		93.5	93.7	94.4	94.5	95.1	
	1	87.6	89.2	91.2	93.5	94.2	94.9	95.1	95.8	95.9	96.5	
2 9												
9	5	88.1	89,6	91.6	94.2	94.9	95.6	95.8	96.6	96.8	97.3	
1	7	88.2	90.2	92.1	94.9	95.6	96.3	96.5	97.3	97.5	98.0	
8	ર્ક	88.3	90.3		95.1	95.8	96.5	96.6	97.5	97.6	98.2	
9	1	88.6	90.6	92.6	95.8	96.6	97.3	97.5	98.3	98.6	99.4	
	1	88.6	90.6	92.6	95.9	96.8	97.5	97.6	98.5	98.7	100.0	
9		60.4	00.4			_						
• • •	1	88.6	90.6	92.6	95.9		97.5	97.6	98.5	98.7	100.0	
	• • • •	• • • • • •	• • • • • • •		• • • • • • •	• • • • • •	*****	******		• • • • • •	• • • • • • • •	• •

)

()

I

C

(

(

(

(

(

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSE

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

	•••••			• • • • • •		• • • • • • •		• • • • • •		
	LING			•				VISIBIL		
	N I			GE	GE			GE	GE	Θŧ
FE		16 C	90	80	60	48	40	32	24	í
• • •	•••••			• • • • • •	• • • • • •	• • • • • •	• • • • • •	• • • • • • •	• • • • • •	• • • •
NG	CEIL	3.8	24.9	25.8	30.7	32.9	33.2	34 • 1	34.9	35
	·									
	500001	5.4	29.9	31.1	36.4	38.9	39.3	40.3	41.1	42
	18000	5 • 4	29.9	31.1	36 • 4	38.9	39.3	40.3	41.1	42
	16000	5.4	29.9	31.1	36 • 4	38.9	39.3	40.3	41.1	42
	14000	5.5	30.2	31.3	36.8	39 • 3	39•7	40.7	41.5	42
ĜΕ	129001	5.6	31.1	32.2	38.0	40.5	40.9	41.9	42.7	44
	10000[	5.9	34.6	35.9	42.4	44.9	45.3	46.3	47.1	48
GE	90001	5.9	35.2	36.6	43.2	45.7	46.1	47.1	47.9	49
GE	80001	5.9	37.1	38.5	45 • 7	48 • 7	49.1	50.1	50.9	52
GE	70 GO	5.9	37.6	39.0	46.3	49.3	49.7	50.8	51.6	5 3
GΕ	60001	6.1	38.8	40.3	48.0	51.0	51.4	52.5	53.3	54
GE	50001	6.4	42.3	44.1	52.2	55.4	55.9	56.9	57.7	59
GE	45001	6.5	43.7	45.6	53.9	57.2	57.7	58.7	59.5	61
GE	4000	6.8	46.5	48.3	57.2	60.6	61.1	62.3	63.1	65
GE	35001	6.8	49.1	50.9	60.2	63.7	64.2	65,4	66.2	68
6 E	30001	6.8	51.8	53.8	63.4	67.0	67.5	68.8	69.7	71
GE	25 00 1	6.8	53.0	55.0	64.6	68.3	68.8	70.1	71.0	73
GE	2000	7.6	58.1	60.4	70.4	74.2	74.7	76.0	76.9	75
GΕ	1800	7.7	58.7	61.1	71.6	74.8	75.3	76.6	77.5	75
GΕ	1500	8.7	61.6	64.0	73.9	78.1	78.6	79.9	81.1	83
GĒ	1200	9.5	64.9	67.2	77.3	81.5	82.0	83.3	84.5	8€
GE	10001	9.7	65.9	6-8.5	78.9	83.2	83.7	85.0	86.2	81
GE	9001	9.7	66.6	69.3	79.6	83.9	84.5	35.8	86.9	8 <
ĜΕ	8001	9.7	67.0	69.8	80.3	85.2	85.8	87.1	88.4	91
ЬE	700	9.8	68.0	70.9	82.0	87.1	87.6	88.9	90.2	9;
G E	6001	9.8	68.0	70.9	82.0	87.1	87.6	89.2	90.5	9;
CE	5001	9.8	68.D	71.0	82.1	87.6	88.1	89•7	91.0	9:
GE	4001	9.8	68.0	71.0	82.1	87.7	88.3	89.9	91.4	9
GE	300	9.3	68.0	71.0	82.1	87.7	88.3	89.9	91.4	91
GΕ	500	9.8	68.0	71 c0	82.1	87.7	88.3	89.9	91.5	9,
GE	100	9.8	68.0	71.0	82.1	37.7	88.3	89.9	91.5	9
GE	0 l	9.8	68.0	71.0	82.1	87.7	88.3	89.9	91.5	9`
• • •	****		• • • • • •			• • • • • • •	• • • • • •		7.15	7

TOTAL NUMBER OF OBSERVATIONS: 766

:LI

	VISIBIL	ITÝ IN	PUNDRED:		TERS		• • • • • •				•
}	GE	GE	GE	GE	È	GE	Gε	GE	GE	GE	
C	32	24	20	16	12	10	ື8	5	4	0	
• •	• • • • • •	• • • • • •	• • • • • • •		• • • • • •		• • • • • • •	• • • • • •		• • • • • • • • •	•
2	34.1	34.9	35.9	37.2	37.6	376	37.6	38.0	38.1	38.1	
3	40.3	41.1	42.4	44.0	44.5	44.5	44.5	44.9	45.0	45.3	
7	40.3	41.1	42.4	44.0	44.5	44.5	44.5	44.9	45.0	45.3	
3	40.3	41.1	42.4	44.0	44.5	44.5	44.5	44.9	45.0	45.3	
7	40.7	41.5	42.8	44.4	44.9	44.9	44.9	45.3	45.4	45.7	
9	41.9	42.7	44.0	45.6	46.1	46.1	46.1	46.5	46.6	46.9	
3	46.3	47.1	48.6	50.1	50.7	50.7	50.7	51.0	51.2	51.4	
1	47.1	47.9	49.3	51.3	51.8	51.8	51.8	52.2	52.3	52.6	
1	50.1	50.9	52.3	54.3	55.0	55.0	55.0	55.4	55.5	55.7	
7	50.8	51.6	53.0	55.0	55.6	55.6	55.6	56.0	56.1	56.4	
Ļ	52.5	53.3	54.7	56 • 7	57.3	57.3	57.3	57.7	57.8	58.1	
9	56.9	57.7	59.7	62.0	62.7	62.7	62.7	63.1	63.2	63.4	
7	58.7	59.5	61.5	63.8	64.5	64.5	64.5	64.9	65.0	65.3	
1	62.3	63.1	65.0	67.5	68.1	68.1	68.1	68.5	68.7	68.9	
2	65.4	66.2	68.1	70.6	71.3	71.3	71.3	71.7	71.8	72.1	
5	68.8	69.7	71.8	74.4	75.1	75 • 1	75.1	75.5	75.6	75.8	
3	70.1	71.0	73.1	75.7	76.4	76.4	76.4	76.8	76.9	77.2	
7	76.0	76.9	79.0	81.6	82.2	82.2	82.2	82.6	82.8	83.0	
3	76.6	77.5	79.6	82.2	82.9	829	82.9	83.3	83.4	83.7	
6	79.9	81.1	83.3	85.9	86.6	86 • 6	86.6	86.9	87.1	87.3	
C	83.3	84.5	86.7	89.3	89.9	89.9	89.9	90 • 3	90.5	90.7	
7	85.0	86.2	88.4	91.0	91.6	91.6	91.6	92.0	92.2	92.4	
5 გ	35.8	86.9	89.2	91.8	92.4	92.4	92.4	92.8	93.0	93.2	
8	87.1	88.4			94.1						
6	88.9	90.2	92.6	95.3	96.0	96.0	96.0	96.3	96.5	96.7	
6	89.2	90.5	92.8	95.6	96.2	96.2	96.2	96.6	96•7	97.0	
1	89.7	91.0	93.5	96.3	97.0	97.0	97.0	97.4	97.5	97.8	
3	89.9	91.4	93•9	96.7	97.4	97.4	97.4	97.8	97.9	98.2	
3	89.9	91.4	94.0	97.0	97.7	97.8	97.8	98•4	98.6	98.8	
3	89.9	91.5	94.1	97.1	97.9	98.0	98.2	98∙გ	99.2	99•5	
3	89.9	91.5	94.1	97.1	97.9	98.0	98.2	98.8	99.2	99.9	
3	89.9	91.5	94.1	97 • 1	97.9	98.0	98.3	99 <b>%</b> D	99.3	100.0	

CEI	LING			,			V	ISIBILI	TY IN HI
	N	G3	GE	GE	GE	GE		GE	GE
EΕ			90	80	6 ŋ	48	40		24
			• • • • • • •	• • • • • •	• • • • • • •	• • • • • •		• • • • • •	• • • • • • •
N C	CEIL	3.5	30.7	31.4	34.2	34 • 3	34.5	34.8	35.1
GE	200001	5.5	36.8	37.5	40.6	40.8	40.9	41.3	41.5
GΕ	180001	5.5	36.8	37.5	40.6	40.8	40.9	41.3	41.5
GE	16000	5 • 7	37.0	37.8	40.9	41.0	41.2	41.5	41.8
GE	14000	5.8	37.3	38.1	41.2	41.3	41.4	41.8	42.1
GE	120001	5.9	38.1	38.8	42.6	427	42.8	43.2	43.5
GE	100001	6.1	41.4	42.2	47.0	47.1	47 • 2	47.6	47.9
GE	90001	6.2	42.3	43.1	47.9	48 • D	48.1	48.5	48.8
GΕ	8000	6.2	43 • 7	44.6	50.6	50.7	50.8	51.2	51.5
GΕ	70001	6.2	44.4	45.3	51.2	51.4	51.5	51.9	52.1
G E	e000 [	6.2	44.6	45.5	51.5	51.6	51.7	52.1	52.4
GE	50001	7.6	50.2	51.2	57.4	57.5	57.7	58.2	58.5
GΕ	45001	g• (1	53.8	54.8	61.2	61.4	61.5	62.3	62.6
GE	43001	8.6	59.4	60.4	67.0	67.2	67.4	68.3	68.5
GE	3500	9.3	62.2	63.2	69.8	70.1	70 • 2	71.1	71.4
GE	30001	9.5	70.6	71.7	78.8	79.1	79.2	80.1	80.5
43				m				07.0	07.
6 E	2500	10.2	73.4	74.6	81.9	82.2	82.3	83.•2	83.6
GE	20001	11.7	77.7	79 • 1	86.6	86 • 8	87 • G	87.9	88.3
GE	1890	12.0	78.3	79.7	87.2	87.5	87 • 6	88.5	88.9
GE		13.2	81.4	82.8	90.6	91.1	91.2	92.1	92.5
GE	1200]	13.3	83.6	85.2	93.5	94.2	94.3	95.4	95.7
GE	10001	13.3	93.9	85.5	93.9	94.6	94.7	95.7	96.1
GE	900	13.3	84.0	85.7	94.2	95.0	95.1	96.1	96.5
GE		13.3	34.8	86.5	95.ũ	96.1	96.3	97.3	97.8
GΕ	7001	13.3	84.8	86.5	95.1	96.3	96.4	97.4	97.9
GĒ	600	13.3	84.8	86.5	95.4	96.6	96.8	97.8	98.5
				_					
GE		13.3	84.8	86.5	95.5	96.8	96 • 9	97.9	98.7
GE		13.3	84.8	86.5	95.5	96.8	96 • 9	97.9	98.7
GE		13.3	84.8	86.5	95 • 5	96 • 8	96.9	97.9	
GE		13.3	84.8	86.5	95.5	96.8		97.9	
GE	100	13.3	94.8	86.5	95.• 5	96.8	96•9	97.9	98.7
GE	ומ	13.3	84.8	86.5	95.5	96.8	96.9	97.9	98.7
	=		• • • • • • •			• • • • • • •	• • • • • • •		• • • • • • • •

TOTAL NUMBER OF OBSERVATIONS: 775

€.

(

TIO FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

:	A IRF OF	אט טא .					OF REC	ORD: 75		-86 09 <sub>00</sub> -1]	00	
Γ Λ <sub>m</sub>	1										, uu	
S OF	{	VISTRI	TTY TN	HUNDREDS	Or Ms	7 5 0 0	• • • • • • •	• • • • • • •	• • • • • •	• • • • • • •	*	• • • •
G	GE	GE	GE	GE	GE	GE	C =	٥.5	~~	~~	~-	
	40	32	24	20			GE	GE	GE	GE	G E	
	} '	32	۷ - ۲		16	12	10	8	5	4	0	
	• • • • • •	• • • • • • • •	• • • • • • •	• • • • • • • •	• • • • •	• • • • • • •	• • • • • • •					
35	34.5	34.8	35.1	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	
41	40.9	41.3	41.5	41.7	41.7	41.7	411 7	41 7	<del></del>			
41	40.9	41.3	41.5	41.7			41.7	41.7	41.7	41.7	41.7	
41.	41.2	41.5			41.7	41.7	41.7	41.7	41.7	41.7	41.7	
42			41.8	41.9	41.9	41.9	41.9	41.9	41.9		41.9	
43	41.4	41.8	42.1	42.2	42.2	42,2	42.2	42.2	42.2	42.2	42.2	
	42.8	43.2	43.5	43.6	43.6	43 ⊮6	43.6	43.6	43.6	43.6	43.6	
48												
48	47.2	47.6	47.9	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	
52	48.1	48.5	48.8	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48. 9	
52	50.8	51.2	51.5	51.6	52.0	52.0	52.0	52.0	52.0	52.0	52.0	
52	51.5	51.9	52.1	52.3	52.6	52.6	52.6	52.6	52.6	52.6	52.6	
32	51.7	52.1	52.4	52.5	52.9	52.9	52.9	52.9	52.9	52.9	52.9	
59	•	2 - 1	J.4.	04.0		32 4 7	3217	32 6 7	32.09	34.9	32.9	
63	57.7	58.2	58.5	58.6	59.0	59.0	59.0	59.0	59.0	59.0	59.0	
	61.5	62.3	62.6	62.7	63.1	63.1	63.1					
69	67.4	68.3	68.5	68.6	69.0	69.0		63.1	63.1	63.1	63.1	
71	76.2	71.1	71.4				69.0	69.0	69.0	69.0	69.D	
81	79.2			71.5	71.9	71.9	71.9	71.9	71.9	71.9	719	
}	19.2	80.1	80.5	80.6	81.0	81.0	81.0	81.0	81.0	81.0	81.0	
84	92.3	07.0	07 (									
88		83.2	83.6	83.7	84.1	84.1	84.1	84.1	84 • 1	84.1	84.1	
89	8 <b>7.</b> C	87.9	88.3	88.5	88.9	88.9	88.9	88.9	88,9	88,9	88.9	
93	87 • 6	88.5	88.9	89.3	89.7	89.7	89.7	89.7	89.7	89.7	89.7	
96	91.2	92 • 1	72.5	92.9	93.4	93.4	93.4	93.4	93.4	93.4	93.4	
]	94.3	95.4	95.7	96.1	96.6	96.8	96 • 8	96.8	96.8	96.8	96.8	
97						_						
97	94.7	95.7	96.1	96.5	9-7 · D	97.2	97.2	97.2	97.2	97.2	97.2	
98	95.1	96.1	96.5	96.9	97.4	97.5	97.5	97.5	97.5	97.5	97.5	
99	96.3	97.3	97.8	98.3	98.8	99.0	99.0	99.0	99.0		99.0	
99	96.4	97.4	97.9	98.5	99.0	99.1	99.1	99.1	99.1	99.1	99.1	
77 9	96.8	97.8	98.5	99.0	99.5	99.6	99.6	99.6	99.6			
00			, , , ,	,,,,	// 4 3	//•0	,, · · ·	77.0	77.0	99.6	99.6	
99	96.9	97.9	98.7	99.2	997	00 0	00 0		00.0			
99	96.9	97.9	98.7			99.9	99.9	99.9	99.9	99.9	99.9	
99.	96.9			99.2	99.9	100.0	100.0	100.0	100.0	100.0	100:0	
99		97.9	98.7	99.2	99.9	100.0	100.0	100.0	100.0	100.0	100.0	
99.	96.9	97.9	98.7	99.2	99.9	100.0	100.0	100.0	100.0	100.0	100.0	
j	96.9	97.9	98.7	99.2	99.9	100.0	100.0	100.0	100.0	100.0	100.0	
99.				-								
• • • • •	96.9	97.9	98.7	99.2	99.9	100.0	100,0	100.0	100.0	100.0	100.0	

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

		• • • • • •							
	LING								H WI YT
1	N I	GT	GE	GΕ	ĢE	GE		GE	GE
FE	E-T	160	90	ងប	60	48	40	32	24
					,				
NC	CEIL	4.9	33.7	33.8	35.9	36 • 1	36.1	36.2	36.6
GE	200001	6.1	38 • 9	39.2	41.4	41.6	41.6	41.7	42.1
GΕ	18000!	6.1	38.9	39.2	41.4	41.6	41.6	41.7	42.1
GE	160001	6.3	39.3	39.6	41.8	42.0	42.0	42.1	42.5
	140001	6.3	39.6	39.9	42.1	42.2	42.2	42.4	42.8
-	12000]	6.6	41.3	41.6	44.3	44.9	44.9	45.0	45.4
			,_,,			,	,		
G E	10000[	7.1	45.7	45.9	48.9	49.5	49.5	49.6	50.0
GE	9000	7.1	46.3	46.6	49.7	50.3	50.3	50.4	50.8
GE	80001	7.2	49.9	50.1	53.7	54.5	54.5	54.6	
GE	7000	7.2	50.5	50.8	54.3	55.1	55.1	55.3	55.7
5.5	60001	7.9	52.1	52.4	55.9	56.7	56.7	56.8	57.2
U L	ec an i	\$ * 7	3211	32.44	33.7	30 • 7	30. 1	30.6	3112
GE	5000	9.5	60 11	60.0	e 11 . T	65 7	65 7	65.4	4 5 0
GE			60.4	60.8	64 • 5	65.3	65.3		65.8
		9.9	66.2	66.6	70.3	$\frac{7}{1} \cdot 1$	71.1	71.2	71.6
GE	4000	10.0	72.4	72.9	76.7	77.5	77.5	77.6	78.0
GE	3500	11.1	77.4	77.9	81.7	82.5	82.5	82.6	83.0
GE	3000	12.2	25 <b>•</b> 8	86.3	, 90.1	90.9	90.9	91.3	91.7
eu								~ 7 . 7	~ 7 "
GE	2500	12.9	57.6	88.2	92.1	92.9	92 • 9	93.3	93.7
GE		13.8	90.3	90.8	94.9	95.7	95.7	96.1	96.6
GΕ		14.2	90.8	91.3	95.5	96.3	96.3	96.7	97.2
e c		14.3	91.7	92.4	96 • 8	97.6	97.6	98.0	98.6
GE	1200	14.3	92,2	92.9	97 • 5	98.3	98 • 4	98 • 8	99.5
G E		14.3	92.2	92.9	97.5	98.3	98.4	98.8	99.5
GE	900	14.3	°2.2	93.0	97.8	98.6	98.7	99.1	99.7
GE	800 (	14.3	92.4	93.2	97.9	98.7	98.8	99.2	99.9
GE	700	14.3	92.4	93.2	97.9	98.7	98•8	99.2	99.9
GΕ	6 00	14.3	92.4	93.2	97.9	98.7	98 • 8	99.2	99.9
GE	5 00 1	14.3	02.4	93.2	97.9	98.7	98.8	99.2	99.9
GE			92.4	93.2	97.9	98.7	98.8	99.2	99.9
GE	3001		92.4	93.2	97.9	98.7	98.8	99.2	99.9
GE		,			97 • 9	98.7	98.8	99.2	99.9
GL			92.4		97.9		98.8	99.2	99.9
		<del>-</del>	<del>-</del>	· - · <del>-</del>		- <b>v</b>		,, -	
GE	0.1	14.3	92.4	93.2	97.9	98.7	98.8	99.2	99.9
	· · · · · · · · · · · · · · · · · · ·				• • • • • • •				

TOTAL NUMBER OF OBSERVATIONS: 760

Ť.

(

1

Ċ

FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY

FROM HOURLY OBSERVATIONS

					• •	: յՍլ			1200-141	00	
, • • • V	ISIBILI	TY IN	HUNDREDS		TERS	• • • • • • •	• • • • • • •		• • • • • •	• • • • • • • • • • •	-
Ξ,	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	
40	32	24	20	16	12	10	8	5	4	0	-
				• • • • •	• • • • • •	• • • • • • •	• • • • • •	• • • • • •	• • • • • •	• • • • • • • • • •	
1	76 2	76 6	76 6	7/ /	36.6	36.6	36.6	3646	36.6	36.6	*
• 1	36 • 2	36.6	36.6	36 • 6	20.0	20.0	30.0	3000	30.0	30 • 0	•
. 6	41.7	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	
• 6	41.7	42 1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	*
• 0	42.1	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	•
. 2	42.4	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	
. 9	45.0	45.4	45.4	45.4	45.4	45 • 4	45 • 4	45.4	45.4	45.4	, 4
_		_				50 D		50.0	F	-0.0	
• 5	49.6	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	
• 3	50.4	50.8	50.8	50.8	5 g • 8	50.8	50.8	50.8	50.8	50.8	
• 5	54.6	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	
. 1	55.3	55.7	55.7	55.7	55•7	55.7	55.7	55.7	55.7	55.7	
• 7	56.8	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	-
. 3	65.4	65.8	65.8	65.8	65.8	65.8	65.8	658	65.8	65.8	
• 1	71.2	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	
• 5	77.6	78.0	78.0	78.0	78.0	78.0	78.0	78 • n	78.0	78.0	
		83.0	83.0	83.0	83.6	83.0	83.0	83.0	83.0	83.0	
• 5	82.6					91.7	91.7	91.7	91.7	91.7	
• 9	91.3	91.7	91.7	91.7	91.7	71 0-1	71 • 1	71.1	714/	91.07	
• 9	93.3	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	
. 7	96.1	96.6	96.6	96 • 6	96.6	96.6	96,6	96.6	96.6	96.6	
. 3	96.7	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	
. 5	98.0	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	
• 4	98.8	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	
4.	00.0	۰۰ ۳	99.6	00 6	00 6	99.6	99.6	99.6	99.6	99.6	
. 4	98.8	99.5		99•6	99.6	99.9	99.9	99.9	99.9	99•9	
• 7	99.1	99.7	99.9	99.9	99•9						
. 8	99.2		100.0								
. 8	99.2	99.9	100.0	100.0	107.0	100.0	100.0	100.0	100.0	100.0	
· 8	99.2	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
. 8	99.2	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
. 8	99.2	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
3.	99.2	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
. 8	99.2	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
3.	99.12	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
	00.0		•			100.0	100 0	100 0	100 0	1:00 0	
. &	99.2	99.9	100.0	100.0	100.0		100.0		100.0	100.0	
	• • • • • • •	- · · · · ·	• • • • • • •		******	•••••		·, · · · · · ·			

€.

(,

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

	· 1.		_ <b>~</b>					_	_			VISIBI			11 01
	N		GT	GE		GE	GE		E	GE		GE	GI		
	ET	! • • •	160	9		68	60		48		0	32		24	
МО	CCTI		• • •												
IV U	CEIL	1	4.2	34.	6 3	3.1	36.3	36	• 3	36.	3	36 • 3	36	• 3	
	20000		6.1	42.		3.4	44.7			44.		44.8			
	18000	•	6.1	42.		3.4				44.		44.8			
	16000		6.1	43.		3.5	44 • 8	45		45.		45.0			-
	14000		6.4	43.		4.3				45•		45.8			
<b>Մ</b>	12000	1	6.9	45.	6 4	6.2	47.9	48	• 0	48.	0	48.Ô	48	• 0	
	10000		7.4	49.		0.3	52.3			52.		52.4			
GE	9000		7.4	50.		1.1	53.2	53		53.		53.3			
G E	8000	-	7.4	54.		5.2				58•		58.0			
GE	7000		7.6	55.		6.4				59.		59.2			
GE	6000	Į.	9.0	59.	<b>4</b> 5	9.9	62.2	62	• 7	62.	7	62.7	62	. 7	
GE	5000			71.		2.0	74.3			74.		74.8			
3 E	4509			76.		7.7				80.		80.5			
G E	4000			83.		3.გ		86		86,		86.9			
GΕ	3500			86.		7.4				90.		90.6			
G E	3000	1	3.4	91.	1 9	2.2	94.7	95	• 2	95•	4	95.6	95	. 6	
G E	2500			91.		2.7	95 • 2	95		95.		96.2			
ĠΕ	2000			92.		4.0	96 • 6	97	• 2	97.	3	98.0			
G E	1800			93.		4.3		97		97.		98.3			
ΞE	1500	•	4.3	93.		5.0		98		98.		99.1			
GE	1200	1	4 • 3	94.	3 9	5.5	98 • 4	99	• 1	99.	2	100.0	100	• 0	1
6 E	1000		4.3	94.		5.5	98 • 4	99	. 1	99•	2	100.0	100	. 0	1
ΞE	960			94.		5.5	98.4	99		99.	2	100.0	100	. 0	1
ζE	8 00			94.		5.5	98.4	99		99.	2	100.0	100	. 0	1
ĵΕ	760			94.		5.5	98.4	99		99.		100.0		0	1
ΞΕ	6 00	] 1	4.3	94.	3 9	5.5	98 • 4	99	• 1	99.	2	100.0	100	• 0	1
) [	500		4.3	94.	3 9	5.5	98.4	99	• 1	99.	2	100.0	100	. 0	1
3 E	400		4.3	94.		5.5	98.4	99		99.		100.0			1
3 E	360	•	4.3	24.		5.5	98.4	99	. 1	99.		1.00 • 0			1
GE	200		4.3	94.		5.5	98.4	99	• 1	99.	2	100.0	100	0	1
ΞE	100	1	4.3	۰4.	3 9	5,5	98.4	99	• 1	99•	2	100.0			1

ON UENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

•	OR.	ם טא				MONTH	: JUL	HOURS	-76,80- (LST):	1500-17	00	Ü
F			TTV TN	HUNDREDS			• • • • • •	• • • • • •	• • • • • • •	• • • • • •	• • • • • • • • • •	J
√G	-	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	
	10	32	24	20	16	12	10	8	5	4	ō	***
•	·J	• • • • • •								• • • • • •		4.5
6	3	36 • 3	36.3	36.3	36.3	36.3	36.3	36.3	36 • 3	36.3	36.3	*
4		44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	
5	8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44 . 8	44.8	44.8	المده
5 5	8 0	45.0	45 • n	45.0	45.0	45.0	45.0	45.0	45.0	45.D	45.0	440
8		45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	
	1	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48. <sub>0</sub>	48.0	48.0	1
2.	4	52.4	52.4	52.4	52.4	52.4	52.4	52 • 4	52.4	52.4	52.4	
3 . 8 . 9 .	3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	-3
8.		58.0	58.0	58.0	58 • O	58.D	58.0	58.0	58.0	58.0	58.D	)
	12	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	
2 •	2 7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	
"4 <b>.</b>	1	02 • 1	02.1	02.1	02.1	62 • 1	02 • 1	02.1	0241	0241	02.1	)
	1 1	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	
D•	5	80.5	80.5	80.5	8g•5	80.5	80.5	80.5	80.5	80.5	80.5	Ì
10.	9	86.9	86 • 9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	F
10 • 15 •	6	9ऍ•6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	
	4	95.6	95.6	95.6	95.6	95.6	956	95•6	95.6	95.6	95•6	)
¹6. ⁴8.	. 9	96.2	04.2	96.2	96.2	06.2	96.2	06.2	06.2	06.2	0.6 0	
⁴8 •	2		96•2 98•0	98.0	98.0	96.2 98.0	98 • D	96 • 2 98 • 0	96.2 98.0	96.2 98.0	96.2 98.0	
	• 3	98•0 98•3		98.3		98.3	98.3	98.3	98.3	98.3	98.3	C C
9.	. 6 . 3	99.1	98.3 99.1	99.1	98•3 99•1	98.3	99.1		99.1	99.1	99.1	
	. 2	100.0	100.0		100.0	100.0	100.0	99•1 100 <sub>•</sub> 0		100.0	100.0	3
	l	1 DO • O	160+0	100.0	100.0	100.0	100.0	100 •0	100.0	100.0	100.0	)
1G •	. 2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
0.	. 2	160.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	1.00 • 0	)
10.	. 2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	***
10.	. 2	100.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	
	• 2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	)
10.	_	100.0	100 0	100.0	100 0	100.0	1 0	100 0	100.0	100.0	100.0	
0.	• 2	100.0	100.0	100,0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	_
0.	• 2	100.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	)
0.	• 2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
10.	• Ž	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100+0	100.0	100.0	- <b>u</b>
t	• 2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	)
10	. 2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	. ***
1	• • •	• • • • • •	• • • • • •	• • • • • • • •	• • • • •	• • • • • •	• • • • • •		• • • • • •	• • • • • •	• • • • • • • • • • • •	O

 $\odot$ 

AIR WEATHER SERVICE/MAC

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE USAFETAC FROM HOURLY OBS

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEI	LING	• • • • •	• • • • • • •	• • • • •	•••••		• • • • • •	VISIBIL:	ITY IN	HUND
I		GΤ	GE	GE	GE	GE	GE	GE	GE	G
FE	ET İ	16 G	90	83	60	48	40	32	24	
		• • • • •								
		• • •								
ИС	CEIL	1.2	44.9	46.3	48.3	48.3	48.3	48.3	48.3	48
GE	200001	1.7	52.7	54.1	56.7	56.7	56.7	56.7	56.7	56
GE	180000	1.7	52.7	54.1	56.7	56.7	56.7	56.7	56.7	56
GE	160001	1.7	52.9	54.2	56.9	56.9	56.9	56.9	56.9	56
БĽ	140001	1.7	53.7	55.1	57₃• 7	57.7	57.7	57.7	57.7	57
ĠΕ	12000	1-• 7	55.6	56.9	59.9	59.9	59.9	59.9	59.9	5 <sup>9</sup>
	10000	2.0	60.2	61.5	64.8	64.8	64.8	64.8	64.8	64
GE	9000	2.0	61.0	62.5	65.8	65.8	65.8	65.8	65.8	65
GE	80001	2.0	64.7	66.5	69.8	70.0	70.0	70.1	70.1	70
ůΕ	7000	2.5	66.3	68 • 2	71.5	71.6	71.6	71.8	71 • 8	71
GE	60001	3.2	69.0	79.8	74.1	74.5	74.5	74.6	74.6	74
GE	50001	3.2	77.1	78.9	82.6	82.9	82.9	83.1	83.1	83
GΕ	4500	3.2	80.6	82.6	86.4	86.7	86.7	86.9	86.9	86
GE	4600	3.5	57.1	89.1	93.0	93.4	93.4	93.5	93.5	93
GΕ	3500]	3.6	89.4	91.4	95.9	96.2	96.2	96.4	96.4	96
ĞΕ	30001	3.6	90.2	92.2	96.7	97.0	97.0	97.2	97.2	97
6E	2500	3.6	90.4	92.4	96 • 8	97•2	97.2	97.3	97.3	97
GE	50.00	3.6	91.4	93.4	98.0	98.3	98.3	98.5	98.5	98
GE	1600	3.6	91.4	93.4	98.U	98.3	98.3	98.5	98.5	98
GΕ	1500	3.6	91.4	93.4	98. ŋ	98.3	98.3	98.5	98.5	98
GΕ	12001	3 • 6	22.4	94.4	99.2	99.5	99.5	9.9.7	99.7	99
ŰΕ	1000	3.6	92.4	94.4	99.5	99.8	99 • 8	100.0	100.0	100
GE	9001	3.6	92.4	94.4	99.5	99.8	99.8	100.0	100.0	100
G E	1003	3.6	92.4	94.4	99.5	99.8	99.8	100.0	100.0	100
ΘE	700	3.6	92.4	94.4	99.5	99.8	99.8	100.0	100.0	100
GE	603	3.6	92.4	94.4	99•5	99•8	99.8	100.0	100.0	100
GE	5 00	3.6	92.4	94.4	99.5	99.8	99.8	100.0	100.0	100
GE	4001	3.6	92.4	94.4	99.5	99.8	99.8	100.0	190.0	100
ĞΕ̈́	3001	3.6	92.4	94.4	99.5	99.8	99.8	100.0	100.0	100
GE	200	3,6	92.4	94 • 4	99.5	99.8	99.8	100.0	100.0	100
GE	100	3.6	92.4	94.4	99.5	99.8	99•8	100.0	100.0	100
ΰE	0	3.6	92.4	94.4	99.5	99.8	99.8	100.0	100.0	100
• • •	•••••	••••	* * * * * * * * *	*****	*****	• • • • • • •	,,,,,		*****	100

TOTAL NUMBER OF OBSERVATIONS: 603

1

(

	FO	RD UK				PERIOD	OF REC	ORD: 75	-76,80-	86		
	• • •					HTNOM	: JUL	HOURS	(LST):	1800-20	00	
	F	VISIBIL	ITY IN	PUNDRED:	S OF ME	TERS	• • • • • •	• • • • • •	• • • • • •	• • • • • • •	• • • • • • • •	• •
	160	GE	GE				GE	GE	GE	GE	GE	
1		32				12			_5	4	0	
						• • • • • •		• • • • • •	• • • • • •	• • • • • •		• •
43	8 •∫											
	6.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	
	5 •							<b>5</b> 4 3	c, 5	c, 3	F / ¬	
	6.7		56.7	56.7	56.7	56 • 7	56.7	56 • 7	56.7	56.7	56•7 56•7	
	6.7	56.7 56.9	56.7 56.9	56.7 56.9	56.7 56.9	56.7 56.9	56.7 56.9	56.7 56.9	56•7 56•9	56.7 56.9	56.9	
	7.7		57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	
′>	9.9		59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	
a <b>4</b>		3717	37.7	5, •,	23.3	3,4,	3,4,	4,4,	0,4,	0,4,	3,4,	
	4.8	64.8	64.8	64.8	64.8	64.8	64.8	64 • 8	64.8	64.8	64.8	
	. 5.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65 • 8	
	. 0.0		70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	
	.1.6		71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	
	4.5		74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	
∦3			•									
	12.9		83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	
	. 26.7		86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	
	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	
₹7.	96.2	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4		96.4	
	P7.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	
17.	3	^7 7	07.7	02.2	07.7	07.7	07.7	07 7	07.7	077	07 ~	
	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3 98.5	97•3 98•5	
	98.3	98.5 98.5	98.5 98.5	98.5 98.5	98 • 5 98 • 5	98.5 98.5	98.5 98.5	98.5 98.5	98.5 98.5	98.5	98.5	
	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98 • 5	98.5	98.5	98.5	
	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	
۱O.		,,,	,,,,,	,,,,,	,,,,,	, , ,	,,,,,	,,,,,		,,,,	,,,,,	
	49.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
	39.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
	59.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
10 ·	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
	79.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
√0 • j												
0.	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
10.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
10	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
10.	79.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
un l	79•8	100.0	100.0	100.0	100.0	1.00 • 0	100.0	100.0	100.0	100.0	100.0	
10.4	99.8	100.0	100 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
			100.0	100.0						10000	100+0	• •
j												

)

CEILING IN   FELT	6T 160	GE 90	GE 80	GE 60	GE 48	-GE 4 o	VISIBILI GE 32	TY IN I GE 24	HUNDREI GE 20
NC CEIL	2.6	51.3	52.2	55.3	55.3	55.3	55 • 3	55.4	55.4
GE 20000   GE 18000   GE 16000   GE 14000   GE 12000	4.5 4.5 4.5 4.6	57.5 57.5 57.5 57.5 58.0	58.8 58.8 59.8 58.8 59.3	62.0 62.0 62.0 62.0	62.0 62.0 62.0 62.0	62.0 62.0 62.0 62.0	62.0 62.0 62.0 62.0 62.5	62.1 62.1 62.1 62.1 62.6	62.1 62.1 62.1 62.1 62.6
GE 10000  GE 9000  GE 8000  GE 7000  GE 6000	4.8 4.8 4.8 5.4	61.2 62.3 65.3 66.5 68.7	62.5 63.6 66.8 67.9 70.1	66 · 1 67 · 3 70 · 8 71 · 9 74 · 1	66.1 67.3 70.8 71.9 74.1	66.1 67.3 70.8 71.9 74.1	66 • 1 67 • 3 70 • 8 71 • 9 74 • 1	66.3 67.4 71.1 72.2 74.4	66.3 67.4 71.1 72.2 74.4
GE 5000   GE 4500   GE 4600   GE 3500   GE 3600	5.6 6.4 6.9 6.9	76.4 79.4 83.9 85.0 87.1	77.8 81.2 85.8 86.9 89.0	81.9 85.8 90.6 91.7 93.8	81.9 85.8 90.6 91.7 93.8	81.9 85.8 90.6 91.7 93.8	81.9 85.8 90.6 91.7 93.8	82.3 86.1 90.9 92.0 94.1	82.3 86.1 90.9 92.0 94.1
GE 25001 GE 20031 GE 18001 GE 15001 GE 12001	6.9 7.5 7.8 7.8 3.0	87.2 88.3 88.7 89.1 90.6	89.1 90.3 90.6 91.1 92.5	93.9 95.0 95.4 95.8 97.4	93.9 95.0 95.4 95.8 97.4	93.9 95.0 95.4 95.8 97.4	93.9 95.0 95.4 95.8 97.4	94.2 95.4 95.7 96.2 97.8	94.2 95.4 95.7 96.2 97.8
GE 1000   GE 900   GE 800   GE 700   GE 600	8.0 8.1 8.1 8.1	91.9 91.9 92.2 92.2 92.3	93.8 93.8 94.1 94.1 94.2	98.9 92.9 99.2 99.2 99.4	98.9 98.9 99.2 99.2	98.9 98.9 99.2 99.2 99.4	98.9 98.9 99.2 99.2 99.4	99.2 99.2 99.5 99.5	99.1 99.1 99.1 99.1
GE 500   GE 400   GE 200   GE 100	8.1 8.1 8.1 8.1 8.1	92.3 92.3 92.3 92.3 92.3	94.2 94.2 94.2 94.2 94.2	99.4 99.4 99.4 99.4	99.4 99.4 99.4 99.4	99.4 99.4 99.4 99.4 99.4	99.4 99.4 99.5 99.5 99.5	99.7 99.7 99.8 99.8 99.8	99. 99. 99. 99.
GE DI	8.1	92.3	94.2	99.4	99.4	99.4	99.5	99.8	99.

b	υĸ			Р	ERŢOD O	F RECOF	D: 75-7	6,81-86	5 100-23 g(	า	
· • • •					MONTH:	JUL					1)
ME TI		• • • • • • • • • • • • • • • • • • •	UNDREDS	OF METE	RS					GE	3
V .	GE	GE	GE	GE	GE	GE	GE	GE	GE "	0	)
6	32	24	20	36	12	10	8	5	4		J
			••••			• • • • • •	• • • • • •	• • • • • •	• • • • • • •	• • • • • • • • • • • • • • • • • • • •	
•	• • • • • • •	• • • •					u	55.4	55.4	55.4	j
4	55.3	55.4	55 • 4	55.4	55.4	55.4	55.4	7.00	3341		**
_	•				<b>~</b> 7	62.3	62.3	62.3	62.3	62.3	
3 , 3 , 3	62.0	62.1	62.1	62.3	62.3		62.3	62.3	62.3	62.3	ì
3	62.8	62.1	62.1	62.3	62.3	62.3	62.3	62.3	62.3	62.3	
, <u>3</u>	62.0	62.1	62.1	62.3	62.3	62 • 3		62.3	62.3	62.3	
. 3	62.0	62.1	62.1	62.3	62.3	62.3	62.3		62.8	62.8	٤
. 8	62.5	62.6	62.6	62.8	62.8	62.8	62.8	62.8	02.0	02.00	,
				_			66.5	66.5	66.5	66.5	,
, 5	66.1	66.3	66.3	66.5	66.5	66.5	67.6	67.6	67.6	67.6	)
. 6	67.3	67.4	67.4	67.6	67.6	67.6		71.2	71.2	71.2	-
. 2	70.8	71.1	71.1	71.2	71.2	71.2	71.2	72.4	72.4	72.4	
. 4	71.9	72.2	72.2	72.4	72.4	72.4	72.4		74.6	74.6	)
• 6	74.1	74.4	74.4	74 • 6	74.6	74.6	74.6	74.6	14.0	, , , , ,	25
	,		•	•		50 h	90 "	82.4	82.4	82.4	
• 4	81.9	82.3	82.3	82.4	82.4	82.4	82.4	86.3	86.3	86.3	)
• 3	85.8	86.1	86.1	86.3	86.3	86.3	86.3		91.1	91.1	~,
. 1	90.6	90.9	90.9	91.1	9-1 - 1	91.1	91.1	91.1	92.2	92.2	
• 2	91.7	92.0	92.0	92.2	92.2	92.2	92.2	92.2	94.2	94.2	)
.2	93.8	94.1	94.1	94.2	94.2	94.2	94.2	94.2	74 • 2	77 * 6	J
	,5,4					<b></b>	011 11	94.4	94.4	94.4	
. 4	93.9	94.2	94.2	94.4	94.4	94.4	94.4	95.5	95.5	95.5	)
• 5	95.0	95.4	95.4	95.5	95.5	95.5	95.5	95.8	95.8	95.8	4.0
'• 8	95.4	95.7	95.7	95.8	95.8	95.8	95 • 8		96.3	96.3	
• 3	95.8	96.2	96.2	96.3	96.3	96.3	96.3	96.3	97.9	97.9	)
· , 5	97.4	97.8	97.8	97.9	97.9	97.9	97.9	97.9	91.9	<i>,</i> , • <i>,</i>	_ !
						00 (	99.4	99.4	99.4	99.4	
• 4	98.9	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	<u> </u>
• 4	98.9	99.2	99.2	99.4	99.4	99.4		99.7	99.7	99.7	24
• 7	99.2	99.5	99.5	99.7	99.7	99.7	99.7			99.7	
· 7	99.2	99.5	99.5	99.7	99.7	99.7	99.7		99.8	99.8	)
8.	99.4	99.7	99.7	99.8	99.8	99.8	99 •8	99.8	77.0	,,,,,	
•	-, -,					00.0	99.8	99.8	99.8	99.8	
* 8	99.4	99.7	99.7	99.8	99.8	99.8		99.8	99.8	99.8	$\mathcal{C}$
i.8	99.4	99.7	99.7	99.8	99.8	99.8	99.8		100.0	100.0	'
1.53	99.5	99.8	99,8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
1.0	99.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0		100.0	$\mathbf{c}$
). C 1	99.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.00	
-	.,					_	100 0	1:00 0	100.0	100.0	
J. D	99.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0			C.
								• • • • • •		• • • • • • • • • •	-/
,			-								

AIR WEATHER SERVICE/MAC

C

(

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURPENCE FROM HOURLY OBSE

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEI	LING	• • • • •	••••••	• • • • •	•••••	• • • • • •	• • • • • •	visībili	TY IN	HUN <sub>D</sub> R
	N I	GT		GE		GE	GE	GE	GE	ĞE
	ET ]	-	90	80		48			24	2
• • •	• • • • • •	• • • • • •	* * * * * * * *		*** * * * * * *	• • • • • • •	• • • • • • •	• • • • • • •		• • • • •
NC	CEIL	3.7	36.5	37.2	40.4	41 • 3	41.5	41.8	42.2	42,
6 E	200001	5.3	42.4	43.3	46.8	47.9	48.1	48.5	48.8	49.
6 E	180001	5.3	42.4	43.3	46.8	47.9	48.1	48.5	48.8	49.
G E	16000	5.3	42.5	43.4	46.9	48.0	48.2	48.6	49.0	49.
	14000	5.4	42.8	43.8	47 • 3	48.4	48. 6	49.0	49.3	49,
GE	150.00	5.7	44.1	45.0	48.8	49.9	56.2	50 • 6	50.9	51,
GE	10000	6.0	47.7	48.7	53.6	54.1	54.4	54.8	55.1	55,
GΕ	90001	6 • C	48.4	49.4	53 • 8	54.9	55.2	55.6	56.0	56,
GE	80.00	6.p	50.9	52.1	56 • 9	58.2	58.5	58.9	59.3	59,
6 E	76 CC	6.1	51.8	53.0	57.8	59.2	59.4	59•9	60.3	60,
G E	6000 l	6.5	53.5	54.7	59 • 6	61.0	61.3	61.7	62.1	62,
3 0	5000	7.4	60.4	61.7	66 • 9	68.3	68.6	69.1	69.5	70,
GE	45001	7.7	63.8	65.1	70 • 4	71.9	72.2	72.7	73.2	73.
GE	4500]	8.0	68.5	69.8	75 • 4	76 • 9	77.2	77.8	78.2	78,
G E	35 60	8.4	71.2	72.6	78 • 4	79.9	80.2	80.8	81.2	81
GE	3000 J	8.8	75.4	76.9	82.8	84.3	84.6	85.3	85.8	86.
υE	2=00	9.0	76.5	78.0	84.0	85.5	85.8	86.5	87.0	87
G E	2760	9.7	79.2	89.8	86 • 8	88.5	88 • 8	89.5	90.0	90
GE	1800	9.9	79.7	81.3	87 • 4	89.ŋ	89.3	90 • 1	90.5	91
üE	1500	10.2	81.1	82.8	88•9	90.6	90.9	91.7	92.2	92.
G E	1200	10.6	82.7	84.4	90 • 8	92.5	92.8	93.6	94.2	94
GΕ	10001	10.7	83.5	85.2	91.7	93.5	93.8	94.6	95.2	95
GC	900	10.7	83.8	85.6	92 • 1	93.9	94.2	95.0	95.6	96
GE	8001	10.8	84.2	86.0	92.5	94.4	94.8	95.6	96.2	96
bε	700	10.8	94.5	86.3	92.9	94.9	95.2	96.0	96.6	97
6 E	6001	10.8	84.6	86.4	93.1	95.1	95.5	96.3	96.9	97
GE	c 00 l	10.8	84.7	86.5	93.2	95.3	75 • 6	96.5	97.1	97
υE	400	10.8	84.7	86.5	93.3	95.3	95.7	96.6	97.3	97
GΕ	300	10.9	84.7	86.5	93.3	95.4	95.7	96.6	97.3	98
GE	2001	10.8	84.7	86.5	93.3	95.4	95.7	96.7	97.4	98
6 E	1001	10.8	84.7	86.5	93.3	95.4	95.7	96.7	97.4	98
GE	91	19.8	84.7	86.5	93.3	95.4	95•7	96.7	97.4	98

# EQUENCY OF OCCURPENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

• •	VISIRT!	TTY TN	HUN <sub>D</sub> R <sub>E</sub> US			• • • • • •		• • • • • • •	• • • • • •	*	•
	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	
0	32	24	20	16	12	10	8	5	4	0	
• •	• • • • • •		• • • • • • •	• • • • • •	• • • • • •		• • • • • •	• • • • • •		• • • • • • • • •	•
5	41.8	42.2	42.5	42.9	43.0	43.0	43.0	43.2	43.2	43.3	
1	48.5	48.8	49.2	49.6	49.7	49.8	49.8	50.0	50.0	50.1	
1	48.5	48.8	49.2	49 • 6	49.7	49 • 8	49 • 8	50.0	50.0	50.1	
2	48.6	49.0	49.3	49.7	49.9	49.9	49.9	50.1	50 • 1	50.2	
6	49.0	49.3	49.7	50.1	50.2	50.3	50.3	50.5	50.5	50.6	
2	50.6	50.9	51.3	51.7	51.8	51.9	51.9	52.1	52.1	52.2	
4	54.8	55.1	55.5	55.9	56.1	56.1	56.1	56.3	56.4	56.4	
4 2 5	55.6	56.0	56.3	56.8	57.0	57.0	57.0	57.2	57.3	57.3	
~	58.9	59.3	59.7	60.3	60.4	60.5	60.5	60.7	60.7	60.8	
4	59 • 9	60.3	60.7	61.2	61.4	61.5	61.5	61.6	61.7	61.8	
3	61.7	62.1	62.6	63.1	63.3	63.3	63.3	63.5	63.6	63.7	
6	69.1	69.5	70.0	70.6	70.8	70.9	70.9	71.1	71.1	71.2	
6 2	72.7	73.2	73.7	74.3	74.4	74.5	74.5	74.7	74.7	74.8	
2	77.8	78.2	78.7	79.4	79.6	79.6	79.7	79.8	79.9	0.08	
2	8J•g	81.2	81.7	82.3	82.5	82.6	82.6	82.8	82.9	83.0	
2 <b>6</b>	85.3	85.8	86.3	87.0	87.1	87.2	87.3	87.4	87.5	87.6	
8	86.5	87.0	87.5	88.2	88.4	88.5	88.5	88.7	88•7	88.8	
8	89.5	90.0	90.6	91.3	91.4	91.5	91.5	91.7	91.8	91.9	
3	90.1	90.5	91.1	91.8	92.0	92.0	92.1	92.2	92.3	92.4	
9	91.7	92.2	92.9.	93.5	93.7	93.8	93.8	94.0	94.0	94.2	
9 8	93.6	94.2	94.8	95.5	95.7	95.7	95 • 8	95.9	96.0	96.1	
8	94.6	95.2	95.8	96.5	96.7	96.8	96.8	97.p	97.0	97.1	
2	95.0	95.6	96.2	96.9	97.1	97.1	97.2	97.3	97.4	97.5	
8 2 8	95.6	96.2	96.8	97.5	97.7	97.8	97.8	98.0	98.0	98.2	
2	96.0	96.6	97.3	98.0	98.2	98.3	98.3	98.5	98.5	98.6	
5	96.3	96.9	97.6	98.3	98.5	98.6	98.6	98 • 8	98•9	99.0	
6	96.5	97.1	97.8	98.6	98.8	98.9	98•9	99.1	99.2	99.3	
7	96.6	97.3	97.9	98.8	99.0	99•0	99.1	99.3	99.3	99.4	
7	96.6	97.3	98.0	98.9	99.1	99.2	99.2	99.4	99.5	99.6	
7	96.7	97.4	98.0	99.0	99.2	99.3	99.3	99.6	99.7	99.8	
7	96.7	97.4	98.0	99.0	99.2	99.3	99.4	99.6	99.7	100.0	
7	96.7	97.4	98.0	99.0	99.2	99.3	99.4	99.6	99.7	100.0	
	• • • • • •							• • • • • •			•

CEILING	• • • • •	• • • • • • •						TY IN H	
_	GT	GE	GE	GE	GE		GE.	GE	014
1 1/2									
FEET	160	90	80	6 წ		40	32	24	
• • • • • • • • •	• • • • •	• • • • • • •	• • • • • •	• • • • • • •	• • • • • •	• • • • • •	• • • • • •	• • • • • •	• •
NG CEIL	5.4	42.7	44.4	48.1	50.0	50.3	51.1	51.9	5
GE 200 00	6.3	46.8	49.1	53.2	55.2	55.4	56.4	57.2	5
GE 18000	6.3	46.8	49.1	53.2	55.2	55.4	56.4	57.2	5
6E 16C00	6.3	46.8	49.1	53.2	55.2	55.4	56.4	57.2	5
GE 140001	6.3	46.8	49.1	53.2	55.2	55.4	56.4	57.2	5
GE 12000	6.6	47.4	49.7	53.7	55.7	56. D	57.0	57.7	5
GE 10000[	6.9	50.4	52.7	57.6	59.7	60.3	61.3	62.0	6;
6.E 90001	6.9	51.3	53.6	58.5	69.6	61.2	62.2	62.9	6
GE 8000	6.9	53·b	56.3	61.7	64.0	64.6	65.6	66.3	6(
GE 7000	6.9	54.6	57.3	62.8	65.0	65 • 6	66.6	67.5	6.
					67.D				
GE 6FUO!	7.3	56.4	59.2	64.8	01.0	67.6	68.6	69.5	6 €
6E 50001	7.3	60.9	63.8	69.6	71.9	72.5	73.5	74.4	71
GE 4500	7.3	63.3	66.2	72.5	75.2	75.9	76.9	77.8	7:
GE 4000	7.7	66.9	70.1	76.5	79•7	80.4	81.4	82.2	8:
6E 35001	7.7	67.9	71.1	77.5	80.7	81.4	82.4	83.2	8:
GE 30001	7.7	69.9	73.2	79.7	82.8	83.5	84.8	85.8	8 €
GE 25001	7.7	71.9	75.2	81.7	84.8	85.5	86.8	87.8	38
6E 2000	7.7	73.5	76.8	83.2	86.5	87.4	89.0	90.0	91
GE 1800	7.7	74.2	77.5	84 • 1	87.4	88.3	89.8	90.8	9]
GE 1500	7.7	75.4	78.9	85.8	89.3	96.1	91.8	93.3	9:
GE 1200	7.7	76.8	80.5	87.7	91.1	92.0	93.7	95.1	9 €
GE 1000	7.9	77.5	81.2	88 • 4	91.8	92.7	94.4	96.1	9€
GE 900	7.9	78.1	81.9	89.1	92.6	93.4	95.1	96.8	97
GE 8001	7.9	78.2	82.1	89.5	93.0	93.8	95.6	97.3	97
GE 700	7.5	78.7	82.5	90.1	93.6	94.4	96.4	98.1	98
					93.6		96.4	98.1	98
GE 6001	7.5	73.7	82.5	90 • 1	73.0	94.4	70 • 4	70 • 1	9 0
GE 5001	7.9		82.7		94.1	95 · D	97.0	98.7	98
GE 4001			82.7	90.4	94.1	95.0	97.0	98•7	98
GE 300	7.9	78.7	82.7	90.4	94.1	95. D	97.0	98.7	98
6E 2001	7.9						97.0		98
GE 100	7.9						97.Ď		98
	. • *	,	0	,	, . <del></del>	, , , ,	, , <del>, , , , , , , , , , , , , , , , , </del>		- •
GC OI	7.9	78.9	83.C	90.7	94.4	95.3	97.3	99.0	99
,	• • • • •								

TOTAL NUMBER OF OBSERVATIONS: 698

TREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

	IRF OR	ום עג					OF REC	ORD: 75 HOURS	-76,80-8		.00	Ć
)F		VISIBIL		HUN <sub>D</sub> R <sub>EDS</sub>			• • • • • •					ر ،
GE	GE	GE	GΕ	ĞE	GE	GE	GΕ	GE	GE	GE	GE	
1	40	32	24	20			10	8	5	4	0	• )
• • •	į						*	• • • • • • • • • • • • • • • • • • • •		• • • • • •	•••••	•
51.	EC.3	51.1	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	52.0	ž
57 .	55.4	56.4	57.2	57.2	57.2	57.2	57.2	57.2	57.3	57.3	57.4	
<b>i7</b> .	£5.4	56.4	57.2	57.2	57.2	57.2	57•2	57.2	57.3	57.3	57.4	**
7.	55.4	56.4	57.2	57.2	57.2	57.2	57.2	57.2	57.3	57.3	57.4	
17.	55.4	56.4	57.2	57.2	57 2	57.2	57.2	57.2	57.3	57.3	57.4	
i7 •	36. Ü	57.0	57.7	57.7	57.7	57.7	57.7	57.7	57.9	57.9	58.0	)
,2.	50.3	61.3	62.0	62.2	62.2	62.2	62.2	62 • 2	62.5	62.5	62.6	
.3.	51.2	62.2	62.9	63.0	63.0	63.0	63.0	63.0	63.3	63.3	63.5	)
16.	64.6	65.6	66.3	66.5	66.5	66.5	66.5	66.5	66.8	66.8	66.9	-
,7.	55.6	66.6	67.5	67.6	67.9	67.9	67.9	67.9	68.2	68.2	68.3	
,9 •	57.6	68.6	69.5	69•6	69.9	69.9	69.9	69.9	70.2	70.2	70.3	J
٠4 .	72.5	73.5	74.4	74.5	74.8	74.8	74.8	74 • 8	75.1	75.1	75.2	
'8 . l	75.9	76.9	77.8	77.9	78.2	78.2	78.2	78.2	78.5	78.5	78•7	)
□2 <b>.</b> [	56.4	81.4	82.2	82.4	82.7	82.7	82.7	82.7	83.0	83.0	83.1	***
3.	31.4	82.4	83.2	83.4	83.7	83.7	83.7	83.7	84.0	84.0	84.1	
6 •	31.4 22.5	84.8	85.8	86.0	86.2	86.2	86.2	86.2	86.5	86.5	86.7	)
8.	35.5	86.8	87.8	88.0	88.3	88.3	88.3	88.3	88.5	88.5	88.7	
n.	27.4	89.0	90.0	90.1	90.5	90.5	90.5	90.5	90.8	90.8	91.0	)
1.	3 · 3	89.8	90.8	91.0	91.4	91.4	91.4	91.4	91.7	91.7	91.8	**
3.	PC . 1	91.8	93.3	93.4	93 • 8	93.8	93.8	93.8	94.1	94.1	94.3	
5.	)C.1 )2.0	93.7	95.1	95.3	95.7	95.7	95.7	95.7	96.0	96.0	96.1	)
6.	92.7 93.4	94.4	96.1	96.3	.96.7	96.7	96.7	96.7	97.0	97.0	97.1	
7.	33.4	95 • 1	96.8	97.0	97.4	97.4	97.4	97.4	97.7	97.7	97.9	)
7.	13.8	95.6	97.3	97.4	97.9	97.9	97.9	97.9	98.1	98.1	98.3	447
8.	)4.4  4.4	96.4	98.1	98.3	98.7	98.7	98.7	98.7	99.0	99.0	99.1	
8.	14.4	96.4	98.1	98.3	98.7	98.7	98.7	98.7	99.0	99.0	99.1	)
9.	)5•D	97.0	98.7	98.9	99.3	99.3	99.3	99.3	99.6	99.6	99.7	
9.	95.0	97.0	98.7	98.9	99.3	99.3	99.3	99.3	99.6	99.6	99.7	)
9.	75.0	97.0	98.7	98.9	99-•3	99.3	99•3	99.3	99.6	99.6	99.7	
9.	)5.0 )5.0	97.0	98.7	98.9	99.3	99.3	99.3	99.3	99.6	99.6	99.7	
9.	75. U	97.0	98.7	98.9	99.3	99.3	99.3	99.3	99.6	99.6	99.7	)
9.6	15.3	97.3	99.0	99.1	99.6	99.6	99.6	99.6	99.9	99.9	100.0	
•••	• • • • •	• • • • • • •	• • • • • • •	• • • • • • •		• • • • • •		• • • • • • •	• • • • • •	• • • • • •	• • • • • • • • •	• 0
												Ó

AIR WEATHER SERVICE/MAC

Ü

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

	LING		•••••	• • • • • •	• • • • • •			/ISIBIL:		
	N	GT	GE	GE	GE	GE		GE	GE	G
FE	•	160	90	80	6 g	48		32	24	
•										
NO	CEIL	3.1	32.7	34.2	37.5	40.0	40.3	42.1	43.8	44
GE	200001	3.7	35.4	37.3	40.7	43.4	43.7	45.8	47.6	4.8
GΕ	18000	3.7	35.4	37.0	40.7	43.4	43.7	45.8	47.6	48
GE	16000	3 • 7	35.4	37.0	40.7	43.4	43.7	45.8	47.6	48
GE	140001	3.7	35.4	37.0	40.7	43.4	43.7	45.8	47.6	4:8
GE	12000	3.8	36.2	37.9	41.7	44.4	44.6	36.8	48 • 6	49
GE	10000	4.1	38.5	40.1	44.5	47.3	47.6	50.0	51.8	5.2
GE	90001	4.1	39.3	41.C	45.4	48.2	48.5	50.8	52.8	53
GE	80001	4.1	41.4	43.4	48.2	51.1	51.5	54.1	56.1	56
GE	7000	4.1	42.8	44.9	49.7	52.7	53.1	55 • 8	57.7	58
GE	60001	4.2	43.4	45.5	50.3	53.2	53.7	56.3	58.3	5 <sup>E</sup>
6 E	5000	4.4	48.3	50.8	56.1	59.p	59.4	62.3	64.2	6 L
GE	45001	4.4	51.3	53.9	59.2	62.4	62.8	65.6	67.6	6 {
GE	40001	4.9	54.5	57.3	63.0	66.8	67.2	70.0	72.i	7;
GE	35 00	5.4	56.2	59.0	64.6	68.6	69.0	71.8	73.9	71
6 E	3000	5.4	58.7	61.5	67.5	71.5	72.1	74.9	77.0	7.
GE	25001	5.4	60.0	62.8	68.7	72.8	73.4	76.3	78.5	71
GE	20001	5.4	62.8	65.6	71.5	75 . 8	76.5	79.6	81.8	8;
GE	1800	5.4	63.7	66.5	72.4	76.6	77.3	80.4	82.8	8
GΕ	1500	5.4	65.1	68.3	74.6	78.9	79.6	82.7	85.8	8 (
GE	1200 [	5.4	66.6	69.9	76 • 2	80.7	81.4	84.5	87.6	8
GE	1000]	5.4	66.9	70.6	77 • 3	81.8	82.5	85.6	88.7	8
GE	9001	5.4	67.5	71.1	77.9	82.4	83.1	86.2	89.3	8
GE	800	5.6	68.6	72.5	79.7	84.4	85.1	88.2	91.3	9
GE	7001	5.8	69.0	73.0	80.1	84.8	85.5	89.0	92.1	9
GE	6001	5.8	69.0	73.0	80.3	84.9	85.8	89.3	92.4	9
GE	500	5.8	69 <b>.</b> 0	73.0	80.3	84.9	35 • 8	89.3	92.4	9
G E	4001	5.8	69.0	73.0	80.4	85.1	85.9	89.4	92.5	9
GE	300	5.8	69.0	73.0	80.4	85.1	85.9	89.4	92.5	9
GE	2001	5.8	69.0	73.1	80.6	85.2	86.1	89.6	92.7	9
GE	100	5.8	69.G	73 • 1	80.6	85.2	86 • 2	89.7	93.0	9
G E	01	5.8	69.2	73.2	80.7	85.4	86.3	89.9	93.1	9
			• • • • • •	• • • • • •					,	

ł	RD UK					OF RECO		-76,80-8 (LST): (		σĠ	
ME	VISIBII	TTY IN	HUN <sub>D</sub> R <sub>ED</sub> S	OF ME	TERS		• • • • • •	• • • • • • •	• • • • • •	• .	•
E	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	
160		24	20	16	12	10	8	5	4	G Ē O	
•••								- • • • • • • •			•
ľ				, ,				•			
5 . 4 5	42.1	43.8	44.2	45.4	45.5	45.6	45.9	46.2	46.8	47.2	
26	45.8	47.6	48.0	49.2	49.6	49.7	50 • 1	50.4	51.0	51.4	
2.27	45.8	47.6	48.0	49.2	49.6	49.7	50 • 1	50.4	51.0	51.4	
2 7	45.8	47.6	48.0	49.2	49.6	49.7	30.1	50.4	51.0	51.4	
2 7	45.8	47.6	48.0	49.2	49.6	49.7	50.1	50.4	51.0	51.4	
1.16		48 • 6	49.0	50.1	50.6	50.7	51.1	51.4	52.0	52.4	
Γ	4000	16.0	.,					_ ,			
5.46	50.0	51.8	52.3	53.4	53.8	53.9	54.4	54.6	55.2	55.6	
1.45	50.8	52.8	53.2	54.4	54.9	55.1	55.5	55.8	56.3	56.8	
7 . 6 E		56.1	56.5	57.6	58.2	58.3	58.7	59.0	59.6	60.0	
41	55 • 8	57.7	58.2	59.4	60.0	6p.1	60.6	60.8	61.4	61.8	
7.0		58.3	58.7	60.0	60.6	60.7	61.1	61.4	62.p	62.4	
- 1	30.5	30.3	50.7	00.0	0000	00				• • • • • • • • • • • • • • • • • • • •	
5 . 9 4	62.3	64.2	64.6	65.9	66.5	66.6	67.0	67.5	68.0	68.5	
3 8		67.6	68.0	69.3	69.9	70.0	70.4	70.8	71.4	71.8	
3.92	70.0	72.1	72.5	73.9	74.5	74.6	75.1	75.5	76.1	76.5	
8.8		73.9	74.4	75 • 8	76.3	76.5	76.9	77.3	77.9	78.3	
01		77.0	77.5	79.0	79.6	79.7	80.1	80.6	81.1	81.5	
. 01	14 + 7	77.0	11.5	17.0	1745	1911	00 • 1	50.0	01+1	01.5	
3 . 4 4	76.3	78.5	78.9	80.4	81.0	81.1	81.5	82.0	82.5	83.0	
8 8 5	79.6	81.8	82.3	83.8	84.4	84.5	84.9	85.4	85.9	86.3	
1.83	80.4	82.8	83.2	84 • 8	85.4	85.5	85.9	86.3	86.9	87.3	
7 • 76	82.7	85.8	86.2	87.7	88.3	88.5	88.9	89.3	89.9	90.3	
64	84.5	87.6	88.0	89.6	90.1	90.3	90.7	91.1	91.7	92.1	
	4413	01.0	40.0	07.0	70.1	70 • 3	7011	71.1	/ 1 4 /	7642	
1. 15	85.6	88.7	89.2	90.7	91.3	91.4	91.8	92.3	92.8	93.2	
1. 1		89.3	89.7	91.3	91.8	92.0	92.4	92.8	93.4	93.8	
3.41	88.2	91.3	91.7	93.2	93.8	93.9	94.4	94.8	95.4	95.8	
1.45	89.0	92.1	92.7	94.2	94.8	94.9	95.4	95.8	96.3	96.8	
1.68	89.3	92.4	93.1	94.6	95.2	95.4	95.8	96.2	96.8	97.2	
]"	0,13	/ <b>4</b> • T	7 3 4 1	77.0	, , , , ,	/ 3 • 7	, , , ,	1002	70 * 8	7	
1.88	89.3	92.4	93.1	94.8	95.4	95.3	95.9	96.3	96.9	97.3	
1.99		92.5	93.2	94.9	95.5	95.6	96.1	96.5	97.0	97.6	
.49		92.5	93.2	94.9	95.5	95 • 8	96.2	96.6	97.2	97.7	
		92.7	93.4	95.2	95.8	96.1	96.5	97.0	97.6	98.6	
5.\$2		93.0	93.7	95.5	96.2	96.5	96.9	97.5	98.0	99.3	
16	07 • 1	73.0	7301	7.3.1.2	70 4 6	70 • 3	7017	71.43	,0,0	//•3	
3	89.9	07 1	93.8	95.6	96.3	96.6	97.0	97.6	98.3	100.0	
	07.9	93.1	A7 • Q	70.0	70.3	70 .0	7 / • U	71.0	7043	100.0	

Ĺ

-

Ü

Ĺ

(

C.

(

1

(

(

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

I		l GT	GΕ	GE	GE	GE	GE	GE	ITY IN H GE
	ET	•	90	80	60	43	40	32	24
NC	CEIL	1 .9	24.8	26.5	29.8	31.3	3,1 • 4	32.5	33.9
-	20000		27.4	29.4	33.2	35.4			
G E G E	_			29.5 29.5	33.4 33.4	35.5 35.5	35.6 35.6		38.9 38.9
GE				29.7	33.5	35 • 6	35.8		39.1
G E	12000	1.9	28.2	30.3	34.2	36.3			39.9
GE	10000		31.4	33.5	38.1	40.4	40.7		44.5
G E G E	9000		32.2 36.3	34.3	39.3	41.9	42.1		46.1
GE	8000   7000		38.D	38.5 40.3	44 • 1 45 • 8	46 • 8 48 • 5	47.0 48.7		51.4 53.1
GE	6C 00		38.8	41.1	46.6	49.3	49.5	51.4	53.9
GE	5000		42.9	45.4	51.8	54.4	54.7	56.6	59.3
GE	4500		45.4	48.1	54 • 4	57.4	57.6		-
G E G E	4000  3500		48.6 49.4	51.3 52.1	57.9	60.9	61.2		66.1
GE	3000		52.3	55.2	59 • 1. 63 • 0	62.1 66.2	62.4 66.5	64.6 68.7	67.4 71.5
GE	2500	4.4	53.5	56.4	64.5	67.7	67.9	70.2	73.1
GE	2000	•		58.4	66.6	69.8	70.1		75.6
GE	1860	4.4		59.2	67.4	70.9	71.1	73.5	
GΕ	1500		57.7	61.2	69.9	73.4	73.6	76.2	79.7
GE	1200	4.6	59.6	63.2	72.6	76.2	76.4	78.9	82.6
G E	1000		60.1	63.8					
GE	960   800		60.1 66.8	64.0		77.7 79.3	78.0		
GE	700		61.3	65.7	76.0	79.3 80.3	79.6 80.5	82.1 83.0	85.8 86.9
GE	600		61.3			80.8		83.7	87.5
GE	500	4.8	61.3	65.7	76 . 6	80.9	81.2	83.8	87.7
GE	4 G O I	4 • 8	61.5	65.8	77.0	81.3	81.6	84.2	88.5
GE	300	4.8	61.06	66.0	77 • 1	81.6	82.0	84.6	89.0
	200	4.8	61.6	66.0	77 • 1	81.6	82.0	84.6 84.6 84.6	89.1
G E	100	4.8	01.0	66.U	11.1	81.6	82.0	84.6	89.1
GΕ	0	4.8			77 • 1		82.0	84.6	89.1

υK							-76,80-8			
							ILSTI: (			
	******					* * * * * * *		• • • • • •	• • • • • • • • • • •	
		HUNDREDS			0.5	_		c.r	C.F.	
GE		GE	GE	6E	G E.	GE	GE	GE "	GE	
3			16	12	10	8	5	4	0	
• • • •	• • • • • • •	******	• • • • • •		• • • • • •	• • • • • •	•••••		• • • • • • • • • • •	
32.	5 33.9	34.6	35.5	35.8	36.3	36 • 4	36.7	36.8	37.4	
36.	8 38,8	39.5	40.9	41.2	41.9	42.0	42.3	42.5	43.3	
37.			41.1	41.3	42.0	42.1	42.4	42.6	43.4	
37.	ກ 38.9	39.6	41.1	41.3	42.0	42.1	42.4	42.6	43.4	
37.	•	39.7	41.2	41.5	42.1	42.3	42.5	42.8	43.6	
37.			42.0	42.3	42.9	43.0	43.3	43.6	44.4	
42.	1 44.5	45.4	46.9	47.2	47 • 8	47.9	48.2	48.5	49.3	
43.			48.6	48.9		49.7	49.9	50.2	51.0	
48.			54.3	54.6	55.2	55.4	55.6	55.9	56.7	
50.			56.0		57.0	57.1	57.4	57.6	58.4	
51.	•		57.0	57.2	57.9	58.0	58.3	58.5	59.3	
56.	6 59.3	60.3	62.4	62.6	63.3	63.4	63•7	64.0	64.8	
			65.3	65.6	66.2	66.4	66.6	66.9	67.7	
59.						70.5	70.7	71.0	71.8	
63.			69.4	69.7	70.3				73.1	
64.			70.7	71.0	71.7	71.8	72.1	72.3		
68.	71.5	72.5	74.8	75.1	75.8	75•9	76.2	76.4	77.2	
70.	2 73.	74.2	76.6	76.8	77.5	77.6	77.9	78.1	78.9	
72.			79.1	79.3	80.0	80.1	80.4	80.7		
73.			80.3	80.5	81.2	81.3	81.6	81.9	82.6	
76.			83.2	83.4	84.1	84.2	84.5	84.8	85.6	
78.			86.1	86.4	87.0	87.2		87.7	88.5	
								20.4	00.0	
80.			87.5		88.5	88.6	89.0			
80.			87.9		88.9	89.0	89.4		90.6	
		86,9		89.8						
83.			90.6	90.9	91.5	91.7	92.1	92.5	93.2	
83.	7 87.5	5 88.9	91.5	91.8	92.5	92.6	93.0	93.4	94.2	
83.	87.	7 89.0	91.7	91.9	92.6	92.7	93.1	93.5	94.3	
84.			92.6	92.8	93.6	93.8	94.2	94.7	95.9	
84.			93.2	93.5	94.6	94.7	95.1	95.8	97.0	
84.		-	93.6	93.9	95.0	95.2	96.0	96.8	98.7	
84.			93.6	93.9	95.1	95 • 4	96.3	97.1	99.6	
84.	6 89.	90.9	93.6	93.9	95.1	95.4	96•3	97.1	100.0	
						<del> • • •</del>				

CEI	LING			• • • • • •	• • • • • • •				TY IN H
I	N	GT	GE	Gr	GΕ	GE	GE	GE	
FE	ET	160	90	ទិ០	60	48	40	32	24
	• • • • • •								
					-	•			
NC	CEIL	2.6	29.3	31.4	35 • 3	36.3	36.3	37.0	37.6
GE	200001	3.9	34.9	37.1	41.6	42.6	42.6	43.3	43.9
	180001	3.9	35.0	37.2	41.7	42.8	42.8	43.4	44.1
	160001	3.9	35.C	37.2	41.7	42.8	42.8	43.4	44.1
	14000	3.9	35.1	37.4	41.8	42.9	42.9	43.6	44.2
	12000	4.1	35.5	37.8	42.2	43.6	43.6	44.2	44.9
0 L	120001	7	5515	3, 10	7212	45.0	73 · U	7716	7767
GΕ	10000	4.6	39 • 6	41.8	46.6	48.2	48.2	49.1	49.7
GΕ	9060	4.6	40.9	43.3	48.2	50.0	50.0	51.1	51.7
G E.	80001	4.6	46.1	48.6	53.6	55.4	55.5	56.8	57.6
GE	7000	4.6	47.4	49.9	55.1	57.1	57.2	58.6	59.3
GE	1000	4 • 7	47.6	50.1	55.4	57.4	57.5	58.8	59.6
<b>3</b> %	60001	4 • /	77.0	30.1	33 • •	31.4	31.3	30.0	37.0
GE	50001	4.9	52.8	55.5	60.8	62 • 8	62.9	64.2	65.0
GE	45 00	5.4	56.1	58.8	64.1	66.1	66. 2		68.3
GΕ	40001	6.1	6g.g	63.0	68.4	70.4	70.5	72.0	72.8
GE	35001	6.4	63.6	66.6	72 • 1	74.1	74.2		
GF	3000	6.6			78 • 9	80.9	81.1	82.6	83.6
ų i	31.001	0,0	70.3	73.4	18.9	011.4	01+1	02.0	03.0
GE	25 00	7.4	72.0	75.3	80.8	82.8	82.9	84.5	85.4
GE	2000	8.2	74.9	78.2	84.5	86.6	86.7	88.8	89.9
υE	1800	8.2	75.3	78.7	85 - 1	87.2	87.4	89.5	90.5
GE	15001	9.3	76.8	80.3	86 • 8	88.9	89.1	91.3	92.4
GE	1260	8.6	78.6		88.6	90.7	90.8	93.4	94.5
O L	15001	0.0	10.0	82.0	00 • 6	90.7	70.0	73.4	74.3
GE	10001	8.7	80.1	83.7	90.3	92.4	92.5	95.3	96.4
GE	9001	8.8	80.7	84.2	90.8	92.9	93.0	95.8	97.0
GE	8001	8.9	81.4	85 C	91.8	93.9	94.1	96.8	98.0
GE	700	8.9			91.8	94.1	24 • 1 24 • 2	97.0	98.2
	6301	•	81.4	85.0					
GE	6 00 [	8.9	81.4	85.Û	91.8	94.1	24.2	97.0	98.3
6 F	500	8.9	81.4	85.0	91.8	94.1	94.2	97.0	98.3
ьE	4001	8.9	81.4	85.0	91.8	94.1	94.2	97.0	98.3
GE	3 UN	8.9	81.4	85.0	91.8	94 • 1	94 • 2	97.0	98.3
GE		8.9	81.4 81.4				94.2	97.0	98.3
				85.0	91.8	94 • 1			
GE	100	8.9	81.4	85.0	91.8	94 • 1	94.2	97.0	98.3
6 E	01	8.9	81.4	85.0	91.8	94.1	0/I 2	97 B	98.3
0 "		7 7	01.4	03.0	71   0	74 • 1	74 + 4	71.0	70.3
						• • • • • • •		• • • • • •	

TCTAL NUMBER OF OBSERVATIONS: 760

1

GRD	UK				PERIOD	OF REC	ORD: 75	-76,80-	86		
:}										.00	
1	1	* * * * * * .				• • • • • • •	• • • • • •	• • • • • •	• • • • • •	• • • • • • • • • •	
ν											
10											
, U	32	24						5	4	0	
· · · ·	• • • • • •	• • • • • • •	• • • • • • •	• • • • • •	• • • • • •	• • • • • •	• • • • • •	• • • • • • •	• • • • • • •	• • • • • • • • • • • •	
1 -	7 - 0				<b>-</b>						
	37.0	37.6	37.6	37 • 8	37.8	37.8	37.8	37.8	37.8	37.8	
1											
1											
2	44.2	44.9	44.9	45.0	45.0	45.0	45.0	45.0	45.0	45.0	
1											
1.2				50.0	50.1	50.1	50.1	50.1	50.1	50.1	
										52.2	
							58.3		58.3	58.3	
						60.0	60.0	60 <b>.</b> 0	60.0	60 • D	
(	58.8	59.6	59.7	60.1	60.3	60.3	6p.3	60.3	60.3	60.3	
	64.2	65.0	65.1	65.5	65.7	65.7	65.7	65.7	65.7	65.7	
• 2	67.5	68.3	68.4	68.8	68.9	68.9	68.9	68.9	68.9	68.9	
• 5	72.0	72.8	72.9	73.3	73.4	73.4	73.4	73.4	73.4	73.4	
	75.7	76.4	76.6	77.0	77.1	77.1	77.1	77 • 1	77.1	77.1	
• 1	82.6	83.6	83.7	84.1	84.2	84.2	84.2	84.2	84.2	84.2	
									_		
. 9	84.5	85.4	85.5	85.9	86.1	86.1	86.1	86.1	86.1	86.1	
. 7	88.8	89.9	90.0	90.4	90.5	90.5	90.5	90.5			
• 4	89.5	90.5	90.7	91.1	91.2	91.2	91.2	91.2			
. 1	91.3	92.4	92.5	92.9	93.0	93.0	93 n	93.0			
. 8	93.4	94.5	94.6	95.1	95.4	95.4					
										•	
, 5	95.3	96.4	96 • 6	97.1	97.5	97.5	97.5	97.5	97.5	97.5	
• 0	95.8	97.0									
. 1			98.3								
• 2		98.2									
• 2	97.0								-		
			-	• =	• •		. , . ,	,	• •	, , <del>,</del> ,	
• 2	97.0	98.3	98.6	99.3	99.7	99.7	99.7	99.7	99.7	99.7	
• 2			-								
. 2											
. 2									-		
· 6	•	,0.0		, , <del>, ,</del> ,	• /	200.0	±00 • ti	7 00 • 0	100.0	700 10	
. 2	97.0	98.3	98.7	99.5	99.9	100.0	100.0	100.0	100.0	100.0	4
	• • • • • •										
	3 6889 6 20525 92521 97418 50122 2222 200525 92521 97418 50122 22222	VISIBIL  GE  32  3 37.0  43.3  43.4  9 43.6  2 49.1  5 56.8  9 67.5  5 88.8  9 67.5  72.0  75.7  1 82.6  9 88.8  9 67.5  72.0  75.7  1 82.6  9 88.8  9 97.0  2 97.0  2 97.0  2 97.0  2 97.0  2 97.0  2 97.0  2 97.0  2 97.0  2 97.0  2 97.0  2 97.0  2 97.0  2 97.0  2 97.0  2 97.0	VISIBILITY IN  GE GE GE 32 24  3 37.0 37.6  6 43.3 43.9  8 43.4 44.1  9 43.6 44.2  44.9  -2 49.1 49.7  -5 56.8 57.6  -2 58.6 59.3  -5 58.8 59.6  -9 64.2 65.0  -5 58.8 59.6  -9 64.2 65.0  -1 82.6 83.6  -9 64.2 65.0  -1 82.6 83.6  -9 64.2 65.0  -1 82.6 83.6  -9 64.2 65.0  -1 82.6 83.6  -9 64.2 65.0  -1 82.6 83.6  -9 64.2 65.0  -1 82.6 83.6  -9 64.2 65.0  -1 96.8 98.0  -1 91.3 92.4  -1 82.6 83.6  -1 88.8 89.9  -1 91.3 92.4  -1 91.3 92.4  -1 97.0 98.3  -2 97.0 98.3  -2 97.0 98.3  -2 97.0 98.3  -2 97.0 98.3  -2 97.0 98.3  -2 97.0 98.3  -2 97.0 98.3  -2 97.0 98.3  -2 97.0 98.3  -2 97.0 98.3  -2 97.0 98.3  -2 97.0 98.3  -2 97.0 98.3  -2 97.0 98.3	VISIBILITY IN HUNDREDS  GE GE GE  32 24 20  337.0 37.6 37.6  6 43.3 43.9 43.9  8 43.4 44.1 44.1  9 43.6 44.2 44.2  6 44.2 44.9 44.9  -2 49.1 49.7 49.7  C 51.1 51.7 51.8  5 56.8 57.6 57.8  -2 58.6 59.3 59.5  5 58.8 59.6 59.7  -9 64.2 65.0 65.1  67.5 68.3 68.4  -7 2.0 72.8 72.9  -7 5.7 76.4 76.6  1 82.6 83.6 83.7  -9 84.5 85.4 85.5  88.8 89.9 90.0  -1 82.6 83.6 83.7  -9 84.5 85.4 85.5  -1 88.8 89.9 90.0  -2 49.1 49.7 49.7  -1 67.5 68.3 68.4  -2 57.0 72.8 72.9  -3 59.5 58.8 59.6 59.7  -4 67.5 68.3 68.4  -5 72.0 72.8 72.9  -7 6.4 76.6  -1 82.6 83.6 83.7  -9 64.2 65.0 65.1  -1 67.5 68.3 68.4  -1 96.8 98.0 98.3  -2 97.0 98.3 98.6  -2 97.0 98.3 98.6  -2 97.0 98.3 98.7  -2 97.0 98.3 98.7  -2 97.0 98.3 98.7  -2 97.0 98.3 98.7  -2 97.0 98.3 98.7  -2 97.0 98.3 98.7  -2 97.0 98.3 98.7  -2 97.0 98.3 98.7  -2 97.0 98.3 98.7  -2 97.0 98.3 98.7  -2 97.0 98.3 98.7	VISIBILITY IN HUNDREDS OF ME  GE GE GE GE GE 32 24 20 16  3 37.0 37.6 37.6 37.8  6 43.3 43.9 43.9 44.1  8 43.4 44.1 44.1 44.2  9 43.6 44.2 44.9 44.9  1.9 43.6 44.2 44.9 44.9  1.0 51.1 51.7 51.8 52.1  5 56.8 57.6 57.8 58.2  2 58.6 59.3 59.5 59.9  5 58.8 59.6 59.7 60.1  9 64.2 65.0 65.1 65.5  67.5 68.3 68.4 68.8  5 72.0 72.8 72.9 73.3  75.7 76.4 76.6 77.0  1 82.6 83.6 83.7 84.1  9 84.5 85.4 85.5 85.9  7 88.8 89.9 90.0 90.4  89.5 90.5 90.7 91.1  9 1.3 92.4 92.5 92.9  9 3.4 94.5 94.6 95.1  .5 95.3 96.4 96.6 97.1  9 1.3 92.4 92.5 92.9  9 3.4 94.5 94.6 95.1  .5 95.3 96.4 96.6 97.1  9 95.8 97.0 97.1 97.6  1 96.8 98.0 98.3 98.8  2 97.0 98.2 98.4 99.1  9 90.0 98.3 98.6 99.3  .2 97.0 98.3 98.6 99.3  .2 97.0 98.3 98.6 99.3  .2 97.0 98.3 98.7 99.5  .2 97.0 98.3 98.7 99.5  .2 97.0 98.3 98.7 99.5  .2 97.0 98.3 98.7 99.5  .2 97.0 98.3 98.7 99.5  .2 97.0 98.3 98.7 99.5  .2 97.0 98.3 98.7 99.5  .2 97.0 98.3 98.7 99.5  .2 97.0 98.3 98.7 99.5  .2 97.0 98.3 98.7 99.5	## WISIBILITY IN HUNDREDS OF METERS    GE	## WISIBILITY IN HUNDREDS OF METERS    GE	VISIBILITY IN HUNDREDS OF METERS  GE GE GE GE GE GE GE GE  32 24 20 16 12 10 8  3 37.0 37.6 37.6 37.8 37.8 37.8 37.8  6 43.3 43.9 43.9 44.1 44.1 44.1 44.1  8 43.4 44.1 44.1 44.2 44.2 44.2 44.2  9 43.6 44.2 44.2 44.3 44.3 44.3  6 44.2 44.9 44.9 45.0 45.0 45.0 45.0 45.0  10 51.1 51.7 51.8 52.1 52.2 52.2 52.2  5 56.8 57.6 57.8 58.2 58.3 58.3 58.3  2 58.6 59.3 59.5 59.9 60.0 60.0 60.0 60.0  2 58.6 59.3 59.5 59.9 60.0 60.0 60.0 60.0  5 58.8 59.6 59.7 60.1 60.3 60.3 60.3  9 64.2 65.0 65.1 65.5 65.7 65.7 65.7  2 67.5 68.3 68.4 68.8 68.9 68.9 68.9  5 72.0 72.8 72.9 73.3 73.4 73.4 73.4 73.4  2 75.7 76.4 76.6 77.0 77.1 77.1 77.1 77.1  1 82.6 83.6 83.7 84.1 84.2 84.2 84.2  9 84.5 85.4 85.5 85.9 86.1 86.1 86.1  86.1 86.1  87.7 88.8 89.9 90.0 90.4 90.5 90.5 90.5  1 91.3 92.4 92.5 92.9 93.0 93.0 93.0  9 55.2 97.0 97.1 97.6 98.0 98.0 98.0  9 59.2 97.0 98.3 98.6 99.3 99.7 99.7 99.7  9 97.0 98.3 98.6 99.3 99.7 99.7 99.7  2 97.0 98.3 98.6 99.3 99.7 99.7 99.7  2 97.0 98.3 98.6 99.3 99.7 99.7 99.7  2 97.0 98.3 98.7 99.5 99.9 100.0 100.0  2 97.0 98.3 98.7 99.5 99.9 100.0 100.0  2 97.0 98.3 98.7 99.5 99.9 100.0 100.0  2 97.0 98.3 98.7 99.5 99.9 100.0 100.0  2 97.0 98.3 98.7 99.5 99.9 100.0 100.0  2 97.0 98.3 98.7 99.5 99.9 100.0 100.0	MONTH: AUG	MONTH: AUG	MONTH: AUG

O

									<b></b>	
CEI	LING	· · · · ·	• • • • • • •	* * * * * *	• • • • • • • •			VISIBIL	TY TN I	RIIN
	N I	6T	GE	GE	GE	GE	GE	GE	GE	Ç,,
FE	-			80	60	48		32	24	
	• • • • • •									
			••••							
ИС	CEIL	5.6	32.4	32.8	34.5	34.5	34.5	34.5	34.5	3
	200 00	6.7	39.2	38.6	40.7	40.7	40.7	40.7	40.7	4
	180001	6.7	38 • 2	39.6	40.7	40.7	46.7	40.7	40.7	4
	160.001	6.7	38.2	38.6	40.7	40.7	40.7	40.7	40.7	4
	14000	6.7	38.4	38.8	40.9	40.9	40.9	40.9	40.9	4
GE	12001	6.9	40.2	40.7	43.1	43 • 4	43.4	43.4	43 • 4	4
GE	100001	7.4	45.5	46.2	48.9	49.3	49.3	49.3	49.3	4
GE	90001	7.4	46.8	47.5	50.3	50.7	50.8	50.9	50.9	5
GΕ	10018	7.4	50.1	5ღ.9	53 - 8	54.5	54.6	54.8	54.8	5
GE	7000]	7.4	50.5	51.3	54.5	55.2	55.3	55 • 4	55.4	5:
ΘĔ	6000	8.1	52.1	53.0	56.2	56.9	57.0	57.1	57.1	5
GE	5000	9.G	60.1	61.0	64.4	65.1	65.2	65.3	65.3	6!
GE	4500	10.1	66.9	67.9	71 • 4	72.2	72,4	72.5	72.5	7:
G E	4000	10.7	73.4	74.7	78.3	79.1	79.2	79.4	79.4	7'
GE	35 00	11.5	77.5	73.8	82.4	83.2	83.3	83.5	83.5	8
6 E	3000	11.6	82.4	84.4	88 • 2	89.0	89.2	89.3	89.3	8
0 4	JC 06	11.0	02 • 4	0717	00 • 2	07.0	07.2	07.5	07 • J	o
GE	2500	12.2	84.0	86.0	89.9	90.9	91.0	91.1	91.1	9 [
GE	20001	12.3	86.5	88.5	92.6	93.7	93.8	94.0	94.0	91
GΕ	18 00	12.3	97.3	89.3	93.5	94.6	94.7	95.0	95.0	9!
υE	1500	12.3	80.6	95.6	95 • 1	96.3	96.4	96.7	96.7	91
S E	1200	12.4	90.3	92.6	97.1	98.3	98.4	98.7	98.7	9 {
GE	1000	12.4	90.5	93.0	97.5	98.7	98.8	99.1	99.1	9 5
GE	900		90.5	93.0	97.5	98.7	98.8	99.1	99.1	95
GE	8001	12.4	90.6	93.1	97.6	98.8	98.9	99.2	99.2	9 (
GE	700	12.4	90.6	93.4	97.9	99.1	99.2	99.5	99.5	95
GE	•	12.4	90.6	93.4	97.9	99.1	99.2	99.5	99.5	95
	- 00.7		,,,,,	,		,,,,	,,,,,	,,,,	.,,,	
CE	500			93.4		99.1	, -	99.5		95
6 E		12.4			97.9			99.5		95
GE		12.4						99.5		95
GE		12.4	90.6							95
G E	1001	12.4	90.6	93.4	97 • 9	99 • 1	99•2	99.5	99.5	95
GE	01	12.4	90.6	93.4	97.9	99.1	99.2	99.5	99.5	99

#### VENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM FOURLY OBSERVATIONS

TCTPTI	* * * * * * * TTV TAI	F UNDREDS	OF ME		• • • • • •	• • • • • • •	• • • • • •	• • • • • •	• • • • • • • • •
GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
32	24	20	16	12	10	8	5	4	0
							• • • • • •	• • • • • •	
34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5
40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9
43.4	43.4	43:4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
50.9	50.9	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
54.8	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
55 • 4	55.4	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
57.1	57.1	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
65.3	65.3	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
72.5	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
79.4	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
83.5	83.5	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
89.3	89.3	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
91.1	91.1	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
94.0	94.0	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
95.0	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
96.7	96.7	96.8	96.8	96 • 8	96 • 8	96.8	96.8	96.8	96.8
98.7	98.7	98.8	98.8	98.8	98.8	98.8	98•8	98.8	98.8
99.1	99.1	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3
99.1	99.1	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3
99.2	99.2	99.3	99.3	99.5	99 • 6	99.6	99.6	99•6	99.6
99.5	99.5	99.6	99.7	99.9	100.0	100.0	100.0	1.00 • 0	100.0
99.5	99.5	99.6	99.7	99.9	100.0	100.0	100.0	100.0	100.0
99.5	99.5	99.6	99.7	99.9	100.0	100.0	100.0	100.0	100.0
99.5	99.5	99•6	99.7	99.9	100.0	100.0	100.0	100.0	100.0
99.5	99.5	99.6	99.7	99.9	100.0	100.0	100.0	100.0	100.0
99.5	99.5	99.6	99.7	99.9	100.0	100.0	100.0	100.0	100.0
99.5	99.5	99.6	99.7	99.9	100.0	100.0	100.0	100.0	100.0
99.5	99.5	99.6	99.7	99.9	100.0	100.0	100.0	100.0	100.0

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF FROM HOURLY OBSER

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

C (2.3	rring	• • • • • •	• • • • • •	• • • • • •		• • • • • •	• • • • • •	visibili	TY IN I	HUNDRE
			GE	GE	GE	GE	GE	GE	GE	GE
FE	EET	160	90	80	60	48	40	32	24	2
• • •					• • • • • • •		• • • • • •			
NC	CEIL	5.8	37.4	37.8	39.4	39.5	3 <sup>9</sup> • 5	39.5	39.5	39.
						•	5.45	0, 0	• • • •	-,,
ÜΕ	200001	7.2	44.9	45.3	47.1	47.2	47.2	47.2	47.2	47.
GE	180001	7.2	44.9	45.3	47.1	47.2	47.2	47.2	47.2	47.
GE	160001	7,2	45.C	45.4	47.2	47.3	47.3	47.3	47.3	47.
GE	140001	7.4	45.4	45.8	47.6	47.7	47.7	47.7	47.7	47.
GE	120 00	8.2	47.2	47.6	49.3	49.7	49.7	49.7	49,7	49.
	00							• • •	* <b>/                                   </b>	49•
GE	100001	8.8	51.5	51.9	54.6	55.0	55.0	55.0	55.0	55.
GE	90001	9.0	52.9	53.5	56.2	56.6	56.6	56.6	56.6	56.
GE	10078	9.1	57.1	58.3	61.3	61.7	61.7	61.8	62.1	62
GE	70001	9.1	58.0	59.2	62.3	62.7	62.7	62.9	63.1	63
GΕ	60001		59.8	61.3	64.6	65.0	65.0	65.1	65.4	65
.,, -	_				0.00	0310	0540	03.1	0314	0.5
GE	50001	11.7	79.2	71.7	75.2	75.7	75.7	76.0	76.3	76
GE	45001	11.9	74.9	76.5	80.2	80.7	80.7	81.0	81.2	81
GĽ	4000	12.6	81.1	82.7	86.6	87.1	87.1	87.4	87.7	87
GE	3500		82.4	84.3	88.2	88.7	88.7	-		
GE	3000		84.0	86.1	90.2	90.8		89.0	89.3	89
<b>U</b> 12	30001	141	4.0	00.1	70.4	70.0	90.8	91.0	91.3	91
GE	25001	12.7	84.6	86.6	91.2	91.7	91.7	92.0	92.2	92
ĜΕ	2000	12.7	86.1	88.2	93.0	93.6	93.6	93.8	94.1	94
GE	10001	12.7	86.6	88.7	93.6	94.1	94.1	94. <sub>4</sub>	94.6	
GE	1500	12.9	88.2	90.5	95.3	95.8	95.8	,	_	94
GE	1200		90.5	92.8	97.6	93.1	98.1	96 • 1	96.4	96
	12001	1617	,0.3	74.0	71.0	30.1	70.1	98.5	98.8	91
GE	10001	13.0	90.9	93.3	98.1	98•7	98•7	99 • 1	99.3	91
GE		13.0	90.9	93.3	98.1	98.7	98.7	99.1	99.3	
GE	800	13.0	90.9	93.3	98.1	98.7	98.7	99.1	99.3	9
GΕ	7001	13.C	90.9	93.4	98.3	98.8	98.8	99.2	99.5	
GE		13.0	90.9	93.4	98.4	98.9			99.5	9 9
		12.0	70.7	93.4	98 • 4	90.9	98.9	99.3	99.6	9
GE	soni	13.0	90.9	93.4	98.4	98,9	98.9	00.7	00 (	^
GE		13.0	90.9	93.4	98.4	98.9		99.3	99.6	9
G E		13.0	90.9	93.4	98.4		98.9		99.6	9
GE		13.0	90.9	93.4	98.4	98.9 98.9	98.9	99.3	99.6	9
3.0		13.0	90.9	93.4			98.9		99.6	9
· .	1001	1000	"U•7	7.5 • 4	98 • 4	98 • 9	98.9	99.3	99.6	9
GE	n I	13.0	90.9	93.4	98.4	98.9	00 0	00.7		•
	<b>U</b> 1		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	7 17 1 11	70 • 9	70 • 7	98.9	99.3	99.6	\$
					• • • • • • • •			• • • • • • •	• • • • • • •	• 1

100.

98.9

99.3

99.6

99 • 6

100.0

100.0 100.0 100.0 100.0 100.0

100.0

RFORD UK PERIOD OF RECORD: 75-76,80-86 MONTH: AUG HOURS(LST): 1500-1700 VISIBILITY IN HUNDREDS OF METERS Ε GE GE GE GE GE GE GE GE GE 16 40 16 12 10 0 32 24 20 8 5 39.5 ,9.5 39.5 39.5 39.5 39.5 39.5 39.5 39.5 39.5 39.5 . 2 .7.2 47.2 47.2 47.2 47.2 47.2 47.2 47.2 47.2 47.2 47.2 . 2 47.2 7.2 47.2 47.2 47.2 47.2 47.2 47.2 47.2 47.2 47.2 ' • 3 47.3 17.3 47.3 47.3 47.3 47.3 47.3 47.3 47.3 47.3 47.3 1.7 47.7 47.7 47.7 47.7 47.7 47.7 4-7- . 7 47.7 47.7 17.7 47.7 1.7 15.7 49.7 49.7 49.7 49.7 49.7 49.7 49.7 49.7 49.7 49.7 5.0 5.6 5.0 55.0 55.0 55.0 55.0 55.0 55.0 55.0 55.0 55.0 55.0 2.1 6.6 56.6 56•6 62•1 56.6 56.6 56.6 56.6 56.6 56.6 56.6 56.6 3.1 51.7 62.1 62.1 61.8 62.1 62.1 62.1 62.1 62.1 62.1 5.4 ,2.7 63.1 62.9 63.1 63.1 63.1 63.1 63.1 63.1 63.1 63.1 65.4 65.4 65.4 65.4 65.1 65.4 65.4 65.4 65.4 65.4 6.3 76.0 76.3 76.3 76.3 76.3 76.3 76.3 76.3 76.3 76.3 7.7 56.7 81.0 81.2 81.2 81.2 81.2 81.2 81.2 81.2 81.2 81.2 19.3 7.1 87.4 87.7 87.7 87.7 87.7 87.7 87.7 87.7 87.7 87.7 1.3 8.7 89.0 89.3 89.3 89.3 89.3 89.3 89.3 89.3 89.3 89.3 91.3 91.3 91.0 91.3 91.3 91.3 91.3 91.3 91.3 91.3 22.2 24.1 31.7 92.0 92.2 92.2 92.2 92.2 92.2 92.2 92.2 92.2 92.2 94.673.6 96.574.1 98.475.8 94.1 94.1 94.1 94.1 93.8 94.1 94.1 94,1 94.1 94.1 94.4 94.6 94.6 94.6 94.6 94.6 94.6 94.6 94.6 94.6 98.9 98.1 96.1 96.4 96.4 96.5 96.5 96.5 96.5 96.5 96.5 96.5 98.5 98.8 98.8 98.9 98.9 98.9 98.9 98.9 98.9 98.9 99.5 99.5 48.7 99.5 78.7 99.5 98.7 99.1 99.3 99.3 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.3 99.1 99.5 99.5 99.3 99.5 99.5 99.5 99.5 99.5 99.5 8.8 99.1 99.3 99.3 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.2 99.5 99.5 99.9 99.9 99.9 99.9 99.9 99.9 99.9 00.608.9 99.6 99.3 99.6 100.0 100.0 100.0 100.0 100.0 100.0 100.0 00.[98.9 .00.[98.9 .00.[98.9 99.3 99.6 99•6 100.0 100.0 100.0 100.0 100.0 100.0 100.0 99.6 99.3 99.6 100.0 100.0 100.0 100.0 100.0 100.0 100.0 99.3 99.6 99.6 100.0 100.0 100.0 100.0 100.0 100.0 100.D 99.3 100.1 99.6 99.6 100.0 100.0 100.0 100.0 100.0 100.0 100.0 99.3 99.6 99.6 100.0 100.0 100.0 100.0 100.0 100.0 100.0

				• • • • • •			• • • • • •	VISIBILI		
CEILIN IN	٥ ا	ъT	GE	GE	o e	GE			GE	GE
FEET	: 							32		2
1,571	ı	100	90	96				• • • • • • •		
	• • • • •	• • • • •		• • • • • •				••••		
NO CEI	LI	2.3	39.1	39.6	41.6	42.4	42.4	42.4	42.4	42.
GE 200	an I	2.5	45.1	45.8	48.3	49.3	49.3	49.3	49.3	49.
GE 180		2.5	45.3	45.9	48.4	49.4	49.4	49.4	49.4	49.
GE 160	-	2.5	45.3	45.9	48.4	49.4	49.4	49.4	49.4	49.
GE 140		2.5	45.6	46.3	48.8	49.8	49 . 8	49.8	49.8	49.
GE 120		2.5	47.1	47.8	50.2	51.2	51.2	51.2	51.2	51.
	•								-	
GE 100	001	2.5	51.9	52.6	55.7	56.7	56.7	56.7	56.7	56,
	00	2.5	53.9	54.6	57.7	58.7	58.7	58.7	58.7	58,
	001	2.5	57.7	58.4	62.4	63.9	63.5	64.1	64.1	64.
	1001	2.5	59.2	59.9	64.1	65.6	65.6	65.7	65 • 7	65.
	001	2.8	61.2	62.1	66.4	67.9	6.7 • 9	68.1	68.1	68
6E 50	lco	2.8	70.2	71.2	75.5	77.0	77 • O	77.2	77.4	77
GE 45	001	2.8	74.7	75.7	80.0	81.5	81.5	81.7	81.9	81
GE 45	001	3.0	79.2	8C.7	85.5	87.4	87.4	87.5	87.7	87
GE 35	001	3.0	79.7	81.4	86.2	88.0	98.O	88.4	88.7	88
	100	3.0	81.2	83.0	0.88	89.9	89.9	90.2	90.5	90
GE 25	ŭO	3.0	81.9	83.7	88 • 9	90.8	90.8	91.2	91.7	91
	00	3.0	93.5	85.4	90.5	93.2	93.2	93.5	94.3	94
	00	3.2	83.7	85.5	90.7	93.3	93.3	93.7	94.5	94
	00	3.2	34.7	86.7	92.2	94.8	94.8	95.2	96.0	96
	001	3.2	95.5	87.5	93-• 2	96.2	96.2	97.0	97.8	98
				• • • •						
GE 10	001	3.2	85.9	88.0	93.7	96.7	96.7	97.5	98.3	98
	aol	3.2	86.C	88.2	93.8	96.8	96.8	97.7	98.5	98
	001	3.2	86.2	88.5	94.2	97.3	97.3	98.2	99.0	99
	7001	3.2	86.2	88.5	94.5	97.7	97.7	98.5	99.3	99
	001	3.2	86.2	88.5	94.5	97.7	97.7	98•5	99.3	99
GE "	30 l	3.2	86.2	88.5	94 • 5	97.7	97.7	98.5	99.3	99
	1001	3.2		88.5	94.5	97.7	97.7	98.5	99.3	99
	3001	3.2	86.2	88.5	94.5	97.7	97.7		99.3	99
	200	3.2	86.2	88.5	94.5	97.7	97.7	98 • 5	99,3	99
	cool	3 • 2	86.2	88.5	94 • 5	97.7	97.7	98.5	99.3	99
GE	g į	3.2	86.2	ន្ទ ធ	94 5	97.7	97.7	98 • 5	99.3	99
U L	94 	J • Z		44444	, T , J	,,,,,				_

REQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

RF OR	D UK				PERIOD	OF REC	ORD: 75	-76,80-	86		
						: AUG					
• • • •	VISIBIL					• • • • • •	• • • • • • •	• • • • • •	• • • • • •	• • • • • • • •	• •
GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	
40	32	24	20			10	8	5 5	4	0	
-	• • • • • • •								•••••		• •
2 • 4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	
9.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	
19.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	
19.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	
9 . 8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8		
1.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	
6.7	56.7	56.7	56.7	56.7	56.7	56.7	56•7	56.7	56.7	56.7	
8.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	
3.5	64.1	64.1	64.1	64.2	64.2	64.4	64.4	64.4	64.4	64 • 4	
5.6	65.7	65.7	65.7	659	65.9	66 • 1	66.1	66.1	66.1	66.1	
7.9	68.1	68.1	68.1	68.2	68.2	68 • 4	68.4	68.4	68.4	68.4	
7.0	77.2	77.4	77.4	77.5	77.5	77.7	77.7	77.7	77.7	77.7	
1.5	81.7	81.9	81.9	82.0	82.0	82.2	82.2	82.2	82.2	82.2	
7.4	87.5	87.7	87.9	88.0	0.88	88.2	88.2	88.2	88.2	88.2	
8.0	88.4	88.7	88.9	89.0	89.0	89 • 2	89.2	89.2	89.2	89.2	
9.9	90.2	90.5	90.7	90.8	90.8	91.0	91.0	91.0	91.0	91.0	
C. 3	91.2	91.7	91.8	92.0	92.0	92.2	92.2	92.2	92.2	92.2	
3.2	93.5	94.3	94.5	94.7	94.7	94.8	94.8	94.8	94.8	94.8	
3.3	93.7	94.5	94.7	94 • 8	94.8	95.0	95.0	95 • <u>0</u>	95.0	95.0	
4.8	95.2	96.0	96.2	96.3	96.3	96.5	96.5	96.5	96.5	96.5	
6.2	97.0	97.8	98.0	98.2	98.2	98.3	98.3	98.3	98•3	98.3	
€.7	97.5	98.3	98.5	98.7	98.7	98.8	98.8	98.8	98.8	98.8	
6.8	97.7	98.5	98 • 7	98.8	98 • 8	99.0	99•0	99•0	99.0	99.0	
7.3	98.2	99.0	99.3	99.5	99.5	99•7	99.7	99.7	99.7	99.7	
7.7	98.5	99.3	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	
1 . [	98.5	99.3	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	
7.7	98.5	99.3	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	
7.7	98.5	99.3	99.7	99.8	9.9 • 8	100.0	100.0	100.0	100.0	100.0	
7.7	98.5	99.3	99.7	99•8	99.8	100.0	100.0	100.0	100.0	100.0	
7.7	98.5	99.3	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	
1 • 1	98.5	99.3	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	
7 • 7	98.5	99.3	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	
• • • •	• • • • • • •			• • • • • •		• • • • • •	• • • • • •	• • • • • •	• • • • • •	• • • • • • • •	• •

AIR WEATHER SERVICE/MAC

**(** ,

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF USAFETAC FROM HOURLY OBSER

STATTON	MIMPED .	0.76000	CTATION NAME	: RAF FATREORD U	,
SINITOM	NUMBER:	030440	STALLON NAME	: RAP FAIRFURD O	۸.

CE	ILING	• • • • •	• • • • • •	• • • • • •	•••••	• • • • • •		VISIBIL		
	IN	GT	GE	GE	GE	GE		GE	бE	_
	EET 1		90	80	60	48	4 n	3.2	24	20
• •	• • • • • •	• • • • • •	• • • • • •				• • • • • • •			
									• •	
NO	CEIL	7.1	50.3	50.8	52.1	53.4	53.4	53.9	53.9	53.9
GE	20000	3.6	55.5	56.0	57.5	59.0	59.0	59.4	59.4	59.4
GΕ	18000	3.6	55.5	56.0	57.5	59.0	59.0	59 • 4	59.4	59.4
GΕ	16000[	3.6	55.5	56.0	57.5	59.0	59.0	59.4	59.4	59.
úξ	140001	3.6	55.5	56.0	57.5	59 • D	59.0	59.4	59.4	59.1
G C	12000	3.7	56•7	57.2	58.6	60.1	60.1	60.6	60.6	60.6
	·	. •	30 7	•, ••		• •		00.0	00.0	00.0
GE	100 00	3.7	58.6	59.1	61.1	62.9	62.9	63.4	63.4	63.1
GE	90 00 1	3.7	60.1	60.6	62.5	64.3	64.3	64.8	64.8	64 • {
6 E	80001	3.7	62.1	62.9	65.Q	66.9	66.9	67.4	67.4	67.
GE	7c001	3 • 7	63.8	64.7	66.8	68.7	68.7	69.2	69.2	69.7
GE	60001	3.9	66.1	67.1	69.2	71.7	71.7	72.1	72.1	72.
						, - · ,	,			14
G E	5rool	4 1	73.1	74.1	76.2	78.7	78.7	79.2	79.2	79.
GE	4500	4.2	75.4	76.4	78.8	81.3	81.3	81.8	81.8	81.
GE	4000	4.2	78.0	79.0	81.4	84.4	34.4	84.9	84.9	84.
GE	3500	4.2	78.5	79.5	82.1	85.0	85.0	85.5	85.7	85.
GE	30001	4.6	P1.8	82.7	85.3	88. g	88.4	88 • 9	89.1	
		140	. 1 . 0	0211	22.2	00.4	00.4	80.7	0941	89.
GE	2500	4.7	83.7	84.7	87.3	90.4	90.4	90.9	91.0	0.4
ĞĒ	20001	4.9	85.2	86.2	88.9	92.5	92.5	93.0	93.3	91. 93.
GE	1800	4.9	85.3	86.3	89.1	92.7	92.7	93.2	93.5	93.
GE	1500	4.9	86.5	87.5	96.4	94.0	94.0	94.6	95.1	
GE	1200	4.9	87.3	88.3	91.2	94.8	94.8	95.8		95.
~ -	4E 001	1 4 7	c . <b>t 3</b>	00.5	71 • 2	77 • Q	74.0	90.0	96.3	96.
GE	10001	4.9	87.8	88.9	92.0	95.6	95.6	96.6	97.1	97.
GE	900	4.9	88.3	89.6	92.7	96.3	96.3	97.2	97.7	97.
GE	8 00 1	4.9	88.8	90.4	93.6	97.2	97.2	98.2	98.7	
GΕ	700	4.9	38.9	90.7	94.3	97.9	97.9			98.
GE	600	4.9	88.9	90.7	94.3	97.9	97.9	98•9 99•0	99.3	99.
,,	0001	7 4 7	50.9	70+1	74 • J	71.7	41.9	99.0	99.5	99.
GE	500[	4.9	88.9	90.7	94.3	97.9	97.9	99.0	00 5	0.0
GE	400	4.9	88.9	90.7	94.3	97.9	97.9		99.5	99.
GE	3001	4.9	88.9	99.7	94.3		91•9 97•9	99.0	99.5	99.
GE	2001	4.9	88.9	90.7	94.3	97.9	97.9 97.9	99.0 99.0	99.5	99.
GE	1601	4.9	88.9	90.7	94.3	97.9	97.9		99.5	99.
<b>.</b>	1001	4 0	9947	70.1	7713	71.7	71.7	99.0	99.5	99,
GE	οl	4.9	88•9	90.7	94.3	97.9	97.9	99.0	99.5	99,

#### IN S EQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

)						: AUG		(LST):			
• • •	VISIBIL	ITY IN	HUNDREDS	OF ME	TERS	• • • • • •	* • • • • •	• • • • • •	• • • • • •	• • • • • • • • •	•
E	GΕ	GE	GE	GE	GE	GE	GE	GE	GE	GE	
4 0	32	24	20	16	12	10	8	5	4	0	
	• • • • • • •	• • • • • • •			• • • • • • •	• • • • • •	• • • • • •	• • • • • •	• • • • • •	• • • • • • • • •	,
					_						
• 4	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	
. e	59.4	59.4	59.4	50 0	E0 "	E0 11	50 h	ro 6	50 <i>"</i>	50 <i>(</i>	
	59.4	59.4	59.4	59.4 59.4	59.4 59.4	59.4	59.4	59.4	59.4	59 • 4 50   "	
.0	57 • 4 59 • 4	59.4	59.4	59 • 4		59.4 59.4	59.4 59.4	59.4 59.4	59.4 59.4	59•4 59•4	
. 0	59.4	59.4	59.4	59 • 4	59•4 59•4	59.4	59.4	59.4	59.4 59.4	59.4 59.4	
. 1	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6		
• •	0010	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	60•6	
. 9	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	
• 3	64.8	64.8	64 • 8	64 • 8	64.8	64.8	64.8	64.8	64.8	64.8	
. 9	67.4	67.4	67.4	67.8	67.8	67.9	67.9	67.9	67.9	67.9	
. 7	69.2	69.2	69.2	69.5	69.5	69.7	69.7	69.7	69.7	69.7	
. 7	72.1	72.1	72.1	72.5	72.5	72.6	72.6	72.6	72.6	72.6	
. 7	79.2	79.2	79.2	79.5	79.5	79.6	79.6	79.6	79.6	79.6	
. 7	81.8	81.8	81.8	82.1	82.1	82.2	82.2	82.2	82.2	82.2	
• 4	84.9	84.9	84.9	85.2	85.2	85.3	85.3	85.3	85.3	85.3	
. 0	85.5	85.7	85.7	86.0	86.0	86.2	86.2	86.2	86.2	86.2	
. 4	88.9	89.1	89.1	89.4	89.4	89.6	89.6	89.6	89.6	89.6	
. 4	90.9	91.0	91.0	91.4	91.4	91,5	91.5	91.5	91.5	91.5	
. 5	93.0	93.3	93.3	93.6	93.6	93.8	93.8	93.8	93.8	93.8	
• (	93.2	93.5	93.5	93.8	93.8	94.0	94.0	94.0	94.0	94.0	
• 0	94.6	95.1	95.1	95 • 4	95.4	95.6	95.6	95.6	95.6	95.6	
. ម	95.8	96.3	96.3	96•6	96.6	96.7	96.7	96.7	96.7	96.7	
. 6	57.7	07.1		07. (						/	
7	96.6	97.1	97.1		97.4		97.6				
. 3	97.2	97.7	97.7	98.0	98.0	98.2	98.2	98.2	98•2	98•2	
• ~	98.2	98.7 99.3	98.7	99.0	99.0	99.2	99.2	99.2	99.2	99.2	
, 9 , 9	98•9 99•0	99.5	99.3	99.7	99.7	99.8	99.8	99.8	99.8	99.8	
· ′	77 • U	77,3	99.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	
. 9	99.0	99.5	99.5	99.8	99.8	100.0	100.0	100.0	100 0	100 0	
_	99.0	99.5	99.5	99.8	99.8	100.0	100.0		100.0	100.0	
	99.0	99.5	99.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0 100.0	
9	99.0	99.5	99.5	99.8	99,8	100.0	100.0	100.0	100.0	100.0	
9	99.0	99.5	99.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	
			- , <b></b>			20010		10010	10010	10010	
9	99.0	99.5	99.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	
L			-					- 00 00			<b>,</b> ,

()

O

	GT   160	GE 90	G E 80	GE 60	GE 48	GE 4 D	ISIBILI GE 32	GE 24	UNDRE GE 20
NC CEIL		35.6	36.7	39.4	40.5	40.6	41.2	41.8	41.9
GE 20000 GE 18000 GE 16000 GE 14000 GE 12000	4.5	40.5 40.6 40.6 40.7 41.8	41.8 41.9 41.9 42.0 43.1	44.8 44.9 44.9 45.1 46.2	46.1 46.2 46.2 46.3 47.6	46.2 46.3 46.3 46.4 47.7	46.9 47.0 47.0 47.1 48.4	47.6 47.7 47.7 47.8 49.1	47.7 47.8 47.8 47.8 48.0
GE 10000 GE 9000 GE 8000 GE 7000 UE 6000	5.1   5.1   5.1	45.4 46.7 50.1 51.3 52.7	46.8 48.1 51.7 53.0 54.4	50.5 51.8 55.9 57.2 58.7	52.0 53.4 57.6 59.0 60.6	52.2 53.6 57.8 59.2 60.8	53.0 54.5 58.8 60.2 61.8	53.7 55.2 59.6 61.0 62.6	53.° 55.° 59.° 61. 62.
GE 5000 GE 4500 GE 4000 GE 3500 GE 3000	6.8 6.8 7.1	59.3 63.0 67.2 69.0 72.2	61.2 64.9 69.4 71.2 74.6	65.7 69.6 74.3 76.2	67.6 71.6 76.5 78.4 82.2	67.8 71.8 76.7 78.7 82.4	68 • 8 72 • 9 77 • 8 79 • 8 83 • 6	69.7 73.8 78.7 80.7 84.5	69. 74. 79. 81.
GE 2500 GE 2000 GE 1800 GE 1500 GE 1200	7.5 7.5 7.6	73.6 75.7 76.2 77.6 79.1	76.0 78.1 78.7 80.2 81.9	81.4 83.7 84.3 86.1 87.9	83.7 86.2 86.9 88.7 90.6	83.9 86.5 87.1 89.0 90.8	85.1 87.8 88.5 90.4 92.4	86.1 88.9 89.6 91.8 93.8	86. 89. 89. 92.
GE 1000 GE 900 GE 800 GE 700 GC 6UC	7.7   7.8   7.8	79.7 80.0 80.4 80.6 80.6	82.6 83.0 83.6 83.8	88.8 89.1 89.9 90.2 90.3	91.5 91.8 92.7 93.1 93.2	91.7 92.1 92.9 93.4 93.5	93.3 93.7 94.5 95.0 95.2	94.8 95.1 96.0 96.5 96.7	95. 95. 96. 96.
GE 500 GE 400 GE 700 GE 200 GE 100	7.8 7.8 7.8	80.6 80.7 80.7 80.7 80.7	83.8 83.9 83.9 83.9	90.4 90.5 90.5 90.5 90.5	93.4 93.4 93.4 93.4 93.4	93.6 93.6 93.7 93.7 93.7	95.3 95.4 95.4 95.4 95.4	96.8 96.9 97.0 97.0	97. 97. 97. 97. 97
GE B	7.8	30.7	84.0	90.5	93.5	93.8	95.5	97.1	97

TOTAL NUMBER OF OBSERVATIONS: 5640

(

3.4

## ENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

ISIBTI	ITY IN	H UNDRED	S OF MF	TERS	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • •	• • • • • • • • •	•
GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	
32	24	20	16	12	10	8	5	4	0	
• • • • •	• • • • • •	• • • • • •	• • • • • •	• • • • • •	• • • • • •	• • • • • •	• • • • • •	• • • • • •	• • • • • • • • • •	•
41.2	41.8	41.9	42 • 2	42.3	42.4	42.4	42.5	42.6	42.7	
46.9	47.6	47.7	48.1	48.2	48.3	48.4	48.5	48.6	48.7	
47.0	47.7	47.8	48.2	48.2	48.4	48.4	48.5	48.6	48.8	
47.0	47.7	47.8	48.2	48.3	48.4	48.4	48.5	48.6	48.8	
47.1	47.8	48.0	48 • 3	48.4	48.5	48.6	48.7	48.8	49.0	
48.4	49.1	49.2	49.6	49.7	49 • 8	49.9	49.9	50.1	50.2	
53.0	53.7	53.9	54.3	54.4	54.5	54.5	En 6	Eh o	e O	
54.5	55.2	55.4	55.8	55.9	56.0	56.1	54.6	54.8	54.9	
58.8	59 • 6	59.9	60.4	60.5	60.6	60.7	56.2 60.8	56•3 60•9	56.5 61.1	
60.2	61.0	61.3	61.8	62.0	62.1	62.2	62.3	62.4	62.6	
61.8	62.6	62.8	63.4	63.5	63.7	63.8	63.9	64 • D	64.1	
							ŭ			
68.8	69.7	69.9	70.5	70.6	70.8	70.9	71.0	71.1	71.3	
72.9	73.8	74.0	746	74.7	74.8	74.9	75.0	75.1	75.3	
77.8	78.7	79.0	79.6	79.7	79.9	79.9	80.1	80.2	80.4	
79.8	80.7	81.0	81.6	81.7	81.9	81.9	82.1	82.2	82.3	
83.6	84.5	84.8	85.4	85.6	85.7	85.8	85.9	86.0	86.2	
ê5•1	86.1	86.4	87.1	87.2	87.3	87.4	87.5	87.6	87.8	
87.8	88.9	89.2	89-49	90.0	90.1	90.2	93.3	90.4	90.6	
88.5	89.6	89.9	90.6	90.7	90.9	90.9	91.0	91.2	91.3	
90.4	91.8	92.0	92.7	92.8	93.Ó	93.0	93.2	93+3	93.5	
92.4	93.8	94.1	94.8	94.9	95.1	95.1	95.2	95.4	95,5	
						_				
93.3	94.8	95.0	95.8		96.1	96.2	96.3	96.4	96.6	
93.7	95.1	95.4	96.1	96.3	96.5	96.5	96.7	96.8	97.•0	
94.5	96.0				97.3	97.4	97.6	97.7	97.9	
95.0 95.2	96.5	96.8	97.6	97.8	98.0	98.0	98.2	98.3	98 4.5	
93.4	96.7	97.0	97.9	98.0	98.2	98.3	98.4	98.5	98.7	
95.3	96.8	97.1	98.0	98.2	98.3	98.4	98.5	98.7	98.8	
95.4	96.9	97.3	98.1	98.3	98.5	98.6	98.7	98.9	99.1	
95.4	97.0	97.4	98.2	98.4	98.7	98.7	98.9	99.0	99.3	
95.4	97.0	97.4	98.3	98.5	98.7	98.8	99.0	99.2	99.6	
95.4	97.0	97.5	98.4	98.5	98.8	98.9	99.1	99.3	99.8	
95.5	97.1	97.5	98.4	98.6	98.9	99.0	99.2	99.4	100.0	

O

USAFETAC AIR WEATHER SERVICE/MAC

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRE FROM HOURLY

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

	LING	• • • • •		• • • • • •					TY IN H
		c r	G E	c -	CE	GE			
	ET		90	80 80	60	48	11 O	32	
	-								
• • •	• • • • • • •	• • • • • •	• • • • • •	• • • • • •	• • • • • • •		• • • • • •	• • • • • • •	• • • • • • •
ИС	CEIL	3.6	36.5	37.5	39.3	41.1	41.3	42.9	44.0
GE	200001	4.1	39.2	40.2	43.0	44.9	45.2	47.0	48.3
	180001	4.1	39.3	40.3	43.2	45.0	45.3	47.2	48.4
GE	16000	4.1	39.3	40.3	43.2	45.0	45.3	47.2	48.4
	140001	4.1	39.3	40.3	43.2	45.0	45.3	47.2	48.4
	12000]	4.1	40.2	41.2	44.0	45.9	46.2	48.0	49.3
	160001	4.4	42.9	44.0	47.3	49.1	49.4	51.7	53.1
GE	90001	4.4	43.O	44.2	47.4	49.3	49.6	51.8	53 • 4
GE	83001	4.4	46.7	47.9	51.3	53.3	53.6	55.8	57.4
GĘ	70001	4.4	47.6	48.7	52.1	54.1	54.4	56.7	58.2
GE	60001	4.7	49.0	50.1	53.6	55.7	56.1	58.4	59.9
GΕ	5000	5.5	53,6	55.4	59.2	61.6	62.1	64.3	65.9
GE	4500	6 • B	56.0	57.8	61.8	64.2	64.6	66•9	68.5
GΕ	4000	6.1	59.2	61.1	65.1	67.5	67.9	70.2	71.7
SE	35001	6.4	61.1	62.9	66.9	69.3	69.7	72.0	73.6
GΕ	30001	6.4	64 • 1	65.9	69.9	72.3	72.7	75.0	76.6
GE	25 00	6.7	64.6	66.5	70.5	72.9	73.3	75.6	77.1
GE	2000	7.1	66.6	69.0	73.2	75.6	76.0	78.3	
GE	1800	7.1	66.8	69.2	73.4	75.9	76.3	78.6	80.1
GE	1500	7.4	68.5	71.0	75.6	78.1	78.6	80.8	
GE	1200	8.1	71 • 3	73.9	78 • 6	81.1	81.5	83.8	.5.4
GΕ	1000	8.4	72.4	75.0	80.0	82.5	83.0	85.5	87.1
GE	900	8.4	72.9	75.4	80.7	33.2	83.8	86.5	88.5
6 E	1003	8.5	74.6	77.1	82.4	84.9	85.5	88.2	90.2
GE	700	8.8	75.3	78.0	83.2	85.9	86.5	89.6	91.8
GΣ	6 0 0	8.8	75.3	78.0	83.4	86.1	86.6	90.1	92.2
GE	5001	8.8	75.6	78.4	83.8	86.5	87.1	90.6	93.2
GE	400	8.8	75.9	78.7	84.2	87.1	87.8	91.3	94.0
GE	300	8 • 8	76.0	78.8	84.5	87.5	88.2	91.8	94.7
GE	5 00	8.8	76.0	78.8	84 • 5	87.5	88.2	91.8	94.7
GE	100	8.8	76.0	78.8	84.5	87,6	88.4	91.9	94.9
GΕ	0	8.8	-				88.4	91.9	94.9

TCTAL NUMBER OF OBSERVATIONS: 704

(

### EQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

••	VISIBIL	ity in	HUNDREDS	OF ME	TERS	• • • • • •		• • • • • • •	• • • • • •	• • • • • • • • •
	SE	GE	GE	GE	GE	GE	GE	GE	GE	GE
O	32	24	20		12		8	5	4	0
•	• • • • • •	• • • • • •	• • • • • • •	• • • • •	• • • • • •	• • • • • • •	• • • • • •	• • • • • • •	• • • • • •	• • • • • • • • •
3	42.9	44.0	44.6	45.0	45.5	45.9	45.9	45.9	46.0	46.7
2	47.0	48.3	49.0	49.4	49.9	50.3	50.4	50 • 4	50.6	51.3
3	47.2	48.4	49.1	49.6	50.0	50.4	50.6	50.6	50.7	51.4
;	47.2	48.4	49.1	49.6	50.0	50.4	50.6	50.6	50.7	51.4
3	47.2	48.4	49.1	49.6	50.0	50.4	50.6	50.6	50.7	51.4
2	48.0	49.3	50.0	50,4	50.9	51.3	51.4	51.4	51.6	52.3
4	51.7	53.1	53.8	54.4	54.8	55.3	55.4	55,4	55.5	56.3
<b>S</b>	51.8	53.4	54.1	54.7	55.1	55.5	55.7	55.7	55.8	56.5
•	55.8	57.4	58.1	58.7	59.1	59.5	59.7	59.7	59.8	6D.5
4	56.7	58.2	58.9	59.5	59•9	60.4	60.5	60.5	60.7	61.4
1	58.4	59.9	60.7	61.2	61.6	62.1	62.2	62.2	62.4	63.1
1	64.3	65.9	66.6	67.2	67.6	68.0	68.2	68.2	68.3	69.B
5	66.9	68.5	69.2	69.7	70.2	7 <sub>0</sub> .6	70.7	70.7	70.9	71.6
}	70.2	71,7	72.4	73.0	73.4	73.9	74.0	74.0	74.1	74.9
,	72.0	73.6	74.3	74.9	75.3	75.7	75.9	75.9	76.0	76.7
7	75 • G	76.6	77.4	78.0	78.4	78.8	79.0	79.0	79.1	79•8
	75.6	77.1	78.0	78.6	79.0	79.4	79.5	79.5	79.7	80.4
,	78.3	79.8	80.7	81.3	81.7	82.1	82.2	82.2	82.4	83.1
	78.6	89.1	81.0	81.5	85.0	82.4	82.5	82.5	82.7	83.4
)	80.8	82.4	83.2	83.8	84.2	84.7	84.8	84.8	84.9	85.7
	83.8	85.4	86.2	86.8	87.2	87.6	87.8	87.8	87.9	88.6
}	85.5	87.1	87.9	88.5	88.9	89.3	89.5	89.5	89.6	90.3
	86.5	88.5	89.3	89.9	90.3	90.8	90.9	90.9	91.1	91.8
	88.2	90.2	91.1	91.9	92.3	92.8	92.9	92.9	93.0	93.8
5	89.6	91.8	92.6	93.6	94.0	94.5	94.6	94.6	94.7	95.5
j	90.1	92.2	93.2	94.5	94.9	95.3	95.5	95.5	95.6	96.3
L	90.6	93.2	94.2	95.5	95.9	96.3	96.4	96.4	96.6	97.3
\$	91.3	94.0	95.0	96.3	96.7	97.2	97.3	97.4	97.6	98.3
	91.8	94.7	95.7	97.0	97.4	97.9	98.0	98.2	98.4	99.1
	91.8	94.7	95.7	97.3	97.7	98.2	98.3	98.4	98.7	99.4
	91.9	94.9	9.5 • 9	97.7	98.2	98.6	98.7	98.9	99.1	99.9
	91.9	94.9	95.9	97.7	98.2	98 • 6	98.9	99.0	99.3	100+0

										••••
	LING			`			٧	ISIBILI	TY IN H	
I		61	GE	GE	GE		GE	GE	6E	GE
FE		160	90	80	6 u	48	40		24	2
	• • • • • •	• • •		• • • • • •				• • • • • •	• • • • • •	• • • •
NC	CEIL	2.5	28.7	30.0	32.6	34.0	34.1	35.6	36.9	3.7 •
6.5	20000 [	2.9	31.5	32.7	35.4	37.0	37.3	38.9	40.3	40.
	18000	2.9	31.6	32.9	35.5	37.1	37.4	39.1	40.4	40.
	16000	2.9	31.6	32.9	35.5	37.1	37.4	39.1	40.4	40.
	14200	2.9	32.2	33.4	36.0	37.7	38.0	39.6	41.0	41.
	12000	2.9	32.9	34.1	36.7	38 • 4	38.7	40.3	41.7	42.
<b>-</b>	12000,	-•	,	J / V 1	•					
GE	100001	2.9	34.4	35.6	38.4	40.2	40.4	42.1	43.6	44.
GE	9000	2.9	75.2	36.5	39 • 2	41.0	41.3	42.9	44.4	44.
ьE	10008	2.9	38.0	39.5	42.4	44 . 2	44.4	46.1	47.7	48.
űΕ	70001	3.2	38.2	39.8	42.6	44.4	44.7	46.4	48.D	48.
GE	60001	3.4	39.8	41.3	44.4	46.2	46.5	48.3	49.9	50.
GE	5000	3∙6	43.1	45.0	48.7	50.5	50.8	52.7	54.5	55.
C.E	4500	3.7	45.3	47.3	51.0	52 • 8	53.1	55.0	56.9	57.
GE	4000	3.9	48.1	50.2	53.9	55.7	56.0	58.0	60.0	60.
ιςE	3500	4.4	51.4	53.5	57.4	59.1	59.4	61.5	63,4	64.
GE	30001	4.8	53.8	56.0	59.8	61.6	61.9	64.0	65.9	67.
GE	2500	4,8	54.7	57.1	60.9	62.7	63.0	65.2	67.1	68.
GE	20001	5.1	57.8	60.1	64.2	66.0	66 • 3	68.6	70.6	71.
GE	1300	5.2	58.3	60.7	64.8	66.7	67.0	69.3	71.3	72.
υE	1500	5.4	60.8	63.4	67.8	69.7	70.0	72.4	74.4	75.
GE	12001	6.5	63.4	66.2	70.7	72.9	73.2	75.5	77.6	78.
<b>U</b> 1.	12031	0.3	33.1	0012	, , , ,	, • ,	,5,2	, , , ,		, , ,
GE	10001	6.6	64.2	67.0	71.7	74.1	74.4	76.8	78.8	79.
GΞ	9001	6.7	64.6	67.5	72.5	75.1	75.4	77.7	79.8	80.
SE	1008	6.9	65.9	69.8	73.9	76.5	76.8	79.4	81.6	83.
GE	7001	6.9	66 • 4	69.5	74.8	77.7	78.0	80.6	82.9	84.
6 E	600	7.0	67.0	75.8	75.4	78.3	78.8	81.4	83.8	85.
GE	5001	7.0	67.3	70.3	75.7	78.7	79.2	82.0	84.5	86.
GE	4001	7.0	67.5	79.7	76.5	79.5	8C.1	83.1	86.1	87.
GE	3001	7.0	67.5	7Ŭ.8	76.8	79.8	80.3	83.4	86.5	88.
GE	2001	7.0	67.5	7¢.8	77.0	80.1	80.6	83.6	86.8	88.
GE	100	7 • C	67.5	70.8	77.0	80.1	80.6	83.6	86.8	88.
				_						0.5
GE	0.1	7.0	67.5	70.8	77.0	80.1	3C+6	83.6	86.8	88.
	*****			• • • • • •	• • • • • •			• • • • • •	• • • • • • •	

TOTAL NUMBER OF ORSERVATIONS: 727

(

			HUNDREDS							
G	E	GE	GE	GE	GE	GE	GE	Gε	GE	GE
	32	24	20	16	12	10	8	5	4	0
• •	• • • •	• • • • • •	• • • • • • •	* * * * * * *	• • • • • •	• • • • • • •	• • • • • •	• • • • • •	•••••	• • • • • • • • • • •
35	• 6	36.9	37.3	38.5	39.1	39.5	39.9	40.9	41.5	43.2
38	.9	40.3	40.7	42.0	42.5	42.9	43.3	44.3	45.1	46.9
	• 1	40.4	40.9	42.1	42.8	43.2	43.6	44.6	45.4	47.2
	• 1	40.4	40.9	42.1	42.8	43.2	43.6	44.6	45.4	47.2
	• 6	41.0	41.4	42.6	43.3	43.7	44.2	45.1	45.9	47.7
40	. 3	41.7	42.1	43.3	44.0	44.4	44.8	45.8	46.6	48.4
42	.1	43.6	44.0	45.3	45.9	46.4	46 • 8	47.7	48.6	50.3
42		44.4	44.8	46.1	46.8	47.2	47.6	48.6	49.4	51.2
46	• 1	47.7	48.6	49.9	50.8	51.2	51.6	52.7	53.5	55.4
46	. 4	48.O	48.8	50.2	51.0	51.4	51.9	53.0	53.9	55.8
48	• 3	49.9	50.8	52.1	53.0	53.4	53.8	54.9	55.8	57.8
52	. 7	54.5	55.3	56.7	57.5	57.9	58.3	59.4	60.4	62.3
	•0	56.9	57.8	59.1	60.0	60.4	60.8	61.9	62.9	64.8
۶8	•9	60.0	60.8	62.2	63.0	63.4	63.8	64.9	65.9	67.8
	.5	63.4	64.4	65 • 7	66.6	67.0	67.4	68.5	69.5	71.4
	•0	65.9	67.0	68.4	69.2	69.7	70.2	71.3	72.2	74 • 1
65	•2	67.1	68.2	69.6	70.4	71.0	71.4	72.5	73.5	75.4
	• 6	70.6	71.7	73.0	73.9	74.4	74.8	75.9	76.9	78.8
	.3	71.3	72.4	73.7	74.6	75.1	75.5	76.6	77.6	79.5
	.4	74.4	75.5	76.9	77.7	78 • 3	78.7	79.8	80.7	82.7
	• 5	77 • 6	78.7	80.1	80.9	81.4	81.8	82.9	83.9	85.8
76	. 8	78.8	79.9	81.3	82.1	82.7	83.1	84.2	85.1	87.1
	• 7	79.8	80.9	82.3	83.1	83.6	84.0	85.1	86.1	88 • D
	,4	81.6	83.1	184 • 5		85.8	86.2		88.3	
	• 6	82.9	84.5			87.2	87.6	88.7	89.7	91.6
81		83.8	85.4	86.8		8.5 • 2	88.6	89.7	90.6	92.6
82	•0	84.5	86.1	87.6	88.4	89.0	89.4	90.5	91.5	93.4
83		86.1	87.8	89.4	90.2	90.8	91.2	92.4	93.5	95.5
	. 4	86.5	88.3	90.4	91.2	91.7	92.2	93.5	94.9	97.2
83		86.8	88.7		91.6	92.2	92.7	94.2	95.9	98.8
83		86.8	88.9	90.9	91.7	92.3	92.8	94.5	96.3	99 • 4
83	•6	86.8	88.9	90.9	91.7	92.3	92.8	94.5	96.6	100•C

1\_

(

Ĺ

(

(

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

	LING	• • • • •							TY IN H	
		C T	c.r	c E	C.C	C.E.				-
I		GT	GE	GE	GE	GE	GE	GE	GE	E
			, 90				4 O		24	•
• • •	* * * * * * * *	• • • • •	• • • • • • •			• • • • • •	• • • • • •		•••••	•••
N C	CEIL	2.7	19.5	20.3	22.3	23.2	23.4	24.3	25.2	2€
	200001	3.5	22.7	23.9	26.2	27.4	27.6	28.8	30.0	31
	18000	3.5	23.0	24.2	26.4	27.6	27.9	29.1	30.4	32
GE	16000	<b>3.</b> 5	23.0	24.2	26.4	27.6	27.9	29.1	30.4	32
GE	140001	3.6	23.4	24.6	26.8	28.0	28.3	29.5	30.8	32
GE	120001	3.6	24.0	25.4	27.8	29.0	29.2	30.4	31.8	33
	100001	3.6	27.1	28.8	31.2	32 • 4	32.7	34.4	35.8	37
GE	9000 l	3.6	28.2	29.9	32,3	33.5	33 8	35.5	36• ყ	3€
GΕ	80001	3.6	31.8	33.8	36.3	37.5	37.8	39.5	40.9	42
GE	70001	3.6	33.8	35.8	38.3	39.5	39.8	41.5	42.9	44
G E	ec001	3.9	35.4	37.4	39 • 9	41.1	41.4	43.1	44.5	46
GE	scool	4.0	38.7	41.3	44.2	45.9	46.2	48.1	49.7	5 2
GΕ	4500	4.0	40.1	42.9	46.1	47.8	48.1	49.9	51.8	54
ĞΕ	40001	4.0	42.5	45.4	48.7	50.5	56.7	52.6	54.6	57
GΕ	35 0C i	4.0	43.9	47.0	50.3	52.5	52.7	54.6	56.6	59
6 E	3000	4.9	48.2	51.3	55.G	57.5	57.8	59.7	61.8	64
	-					•,				
6 E	25001	5.5	49.7	52.7	56.7	59.3	59.5	61.4	63.7	66
GE	2000	5.7	51.8	55.0	59.1	61.9	62.2	64.1	66.4	69
6 E	1800	6.0	52.2	55.4	59.5	62.3	62.6	64.5	66.8	69
GE	1500	6.5	55.0	58.3	63.6	66 • 4	66 • 6	68.6	70.9	73
GE	1200	7.6	56.3	59.8	65.4	68.5	68.8	71.2	73.6	76
UL	12001	7.0	30 • 3	37.0	0314	00.0	00.0	11 12	73.0	10
G E	1000]	8.1	57.7	61.1	67.3	70.4	76.9	73.4	75.8	78
GE	9001	8.3	57.9	61.4	67.6	70.8	71.3	73.8	76.2	78
6 E	8 00 1	8.3	58.3	61.9	68.2	71.6	72.1	74.6	77.0	38
υE	7001	8.3	58.9	62.6	69-4	72.8	73.4	76.5	79.0	82
6 E	6001	8.3	59.0	62.8	69.8	73.2	73.8	76.9	79.4	82
GE	5001	8.3	59.1	62.9	70.1	73.4	74.1	77.2	79.7	82
GΕ			59.1	63.0	70.5	73.8	74.5	78.0	8g.6	84
GE				63.2			74.9		_	84
GE			59.1	63.2	•		74.9		81.2	84
GE	100		59.1	63.2	70.8	74.1		•		84
~ NA	- 44 1									
G-E		8.3			70.8				81.3	84
					• • • • • •	• • • • • • •	• • • • • •		• • • • • • •	• • • •

		• • • • • •		MONTH	;	#UUK5	LST): C		• • • • • • • • • •
		UNDREDS			GE	GE	GE	GE	GE
GE	GE	GE 20	GE 16	GE 12	10	8	5	4	0
32	24		10	14		• • • • • •	• • • • • •	· • • • • • ·	• • • • • • • • •
24.3	25.2	26.8	28.2	28.4	28.8	29 • 2	30.3	31.2	32.8
					•	_			
28.8	30.0	31.9	33.5	33.8	34.3	34.7	35.8	36.8	39.0
29.1	30 • 4	32.3	33.9	34.2	34.7	35.1	36.2	37.2	39.4
29.1	30.4	32.3	33.9	34.2	34.7	35.1	36.2	37.2	39.4
29.5	30.8	32.7	34.3	34.6	35.1	35 • 5	36.6	37.7	39.8
30.4	31.8	33.6	35.2	35.5	36.0	36.4	37.5	38.6	40.7
34.4	35.8	37.8	39.7	39.9	40.5	40.9	42.1	43.1	45.5
35.5	36 • 8	38 • 9	40.7	41.0	41.5	41.9	43.1	44.2	46.6
39.5	40.9	42.9	44.7	45.0	45.5	45.9	47.3	48.3	50.7
41.5	42.9	44.9	46.7	47.0	47.5	47.9	49.3	50.3	52.7
43.1	44.5	46.9	48.9	49.1	49.7	50.1	51.4	52,5	54.9
48.1	49.7	52.2	54.3	54.6	55.1	55.5	56.9	57.9	60.3
49.9	51.8	54.5	56 • 7	57.0	57.5	57.9	59.3	60.3	62.8
52.6	54.6	57.3	59.7	59.9	60.5	60.9	62.2	63.3	65.7
54.6	56.6	59.3	61.7	61.9	62.5	62.9	64.4	65.4	67•8
59.7	61.8	64.5	66.9	67.2	67.7	68.1	69.6	70.6	73.0
61.4	63.7	66•4	68 • 8	69.2	69.7	70.1	71.6	72.6	75.0
64.1	66.4	69.0	71.6	72.0	72.5	72.9	74.4	75.4	77.8
64.5	66.8	69.4	72.0	72.4	72.9	73.3	74.8	75.8	78.2
68.6	70.9	73.6	76.1	76.5	77.0	77.4	78.9	80.0	82.4
71.2	73.6	76.2	78.8	79.2	79.7	80.1	81.6	82.6	85.0
73.4	75.8	78.5	81.0	81.4	82.0	82·4	83.8	84.9	87.3
73.8	76.2	78.9	81.4	81.8	82.4	82.8	84.2	85.3	87.7
74.6	77.0	80.1	82.6	83.0	83.6	84.1	85.6	86.6	89.1
76.5	79.0	82.1	84.6	85.0	85.6	86.1	87.6	88.7	91.1
76.9	79.4	82.5	85.3	85.7	86.2	86.8	88.4	89.5	91.9
77.2	79.7	82.8	85 • 6	86.0	86.5	87.2	88.9	90.0	92.4
78.0	8g.6	84.0	87.2	87.6	88.1	88.8	90.5	91.6	94.0
78.4	81.0	84.4	88.1	88.5	89.2	90.0	92.0	93.3	96.3
78.4	81.2	84.5	88.4	88.8	89.6	90.7	93.1	94.8	99.3
78.4	81.3	84.6	88.5	88.9	89.7	90.8	93.2	95.2	99.7
78.4	81.3	84.6	88.5	88 •.9	89.7	90•8	93.2	95.2	100.0
				0-0-1-1-1					

			• • • • • • • •							
	LING							ISIBILI		
	N I		GE							GE
	ET 1		96							
• • •			• • • • • • •	• • • • • •	• • • • • • • •	• • • • • •	• • • • • •	• • • • • •	• • • • • •	• • • • •
NO	CEIL !	2.9	24.3	25.5	27.2	28.4	28.6	29.2	29.3	30.0
6 F	200001	4.9	30.8	32.2	34 . 4	35.5	35.8	36.6	36.9	37.5
GE	180001	4.8	30.8	32.2	34.4	35.5	35.8	36.6	36.9	37.!
GE	16000	4.8	30.8	32.2	34.4	35.5	35• გ	36.6	36.9	37.
	140001	5.0	31.3	32.8	34.9	36.1	36.3	37.1	37.4	38.
e L	12000	5.2	32.2	33.7	35.8	37.4	37.7	38.5	38.7	39.
GE	100001	5.2	35.8	37.3	39.7	41.2	41.5	42.7	43.0	43.
GE	9000	5.3	37.9	39.5	42.0	43.6	43.9	45.1	45.4	46.
GE	80001	5.3	40.2	41.8	44.3	45.9	46.2	47.3	47.6	48.
GE	70001	5.3	40.7	42.3	45.1	46.8	47.1	48.3	48.5	49.
GE	90 00 J	5.8	41.6	43.2	40.0	47.9	48.1	49.5	49.7	50.
G E	50001	6.0	47.3	49.3	53 • 2	55 • 0	55.3	56.8	57.0	57.
GE	45001	7.3	49.3	51.3	55.3	57.3	57.6	59.0	59.3	59.
GΕ	40001	7.6	53.4	55.6	59.8	61.8	62.1	63.7	64.3	65.
ĞΕ	3500	7.8	56.4	53.5	62.7	64.7	65.O	66.6	67.2	67.
GE	3000 j	8.8	63.1	65.3	69.6	71.6	71.9	73.5	74.1	74.
G E	25001	9.5	64.7	66.8	71.2	73.3	73.6	75.3	76.0	76.
GE	2000]	10.1	67.8	69.9	74.4	76.8	77.1	78.8	79.4	80.
GE	1800	10.3	68.2	70.3	74.8	77.3	77. C	79.3	80.0	80.
G E	15001	11.1	70.6	72.7	78.0	80.6	80.9	82.8	83.4	84.
GE	[200]	12.6	73.9	76.5	82.1	85.0	85.5	87.5	88.2	89.
6 E	10001	12.9	75.5	77.6	83.8	87.1	87.7	89.7	90.3	91.
ΞE	6001	12.9	75.7	78.0	84.5	88.1	38.6	90.6	91.2	92.
υE	855	12.9	76.3	78.8	85.8	89.4	9c•1	92.2	92.8	94.
GE	700	12.9	76.5	79.0	86 • 2	89.9	90.6	92.7	93.4	94.
e E	6001	12.9	76.8	79.3	86,6	90.5	91.1	93.2	93.9	95.
G E	5 no l	12.9	76.9	79.4	86.9	90.8	91.5	93.6	94.3	95.
6 2		12.9	76.9	79.4	86.9	91.0	91.6	93.8	94.4	95.
GE	•	12.9	77 • 1	79.6	87.0	91.1	91.8	93.9		96.
GE		12.9	77.1	79.6	87.0	91.1	91.8	93.9		96.
6 E		12.9	77.1	79.6	87.0	91.1	91.8	93.9	94.6	96.
GE	nΙ	12.9	77.1	79.6	87.0	91.1	91.8	93.9	94.6	96.
	-									

TOTAL NUMBER OF OBSERVATIONS: 754

NS EQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

F	r or	D UK					OF REC					
• • • •							: SEP				.00	
		ulctell		HUNDRED:			• • • • • •	• • • • • • •	• • • • • • •	• • • • • •	• • • • • • • •	• • •
E 16	55	GE	GE	GE	S OF ME	GE	GE	GE	GE	~ <del>~</del>	c.c.	
•••	u C	32	24	20	16	12				GE .	GE	
••••			47	40			10	8	5	4	0	
. 5				• • • • • • • •		• • • • • •	• • • • • • •	• • • • • • •	• • • • • •	• • • • • •	• • • • • • • •	• • •
	. 6	29.2	29.3	30.0	30.5	30.5	30.6	30.8	30.9	31.0	71 0	
. 2		2,10	2,43	20.0	30.3	20.0	30.0	70.0	30 • 7	21.0	31.0	
2 5	. 8	36.6	36.9	37.5	38.2	38.2	38.3	38.5	38 • 6	38.7	38.9	
2 5		36.6	36.9	37.5	38.2	38.2	38.3	38.5	38.6	38.7	38.9	
	s • 8	36.6	36.9	37.5	38.2	38.2	38.3	38.5	38.6	38.7	38.9	
. 1 6	-	37.1	37.4	38.1	38.7	38.7	38.9	39.0	39.1	39.3	39.4	
	. 7	38.5	38.7	39.4	40.1	40.1	40.2	40.3	40.5	40.6	40.7	
. 3 ¦			•	*		· •	-1 -4 -4 FE					
.7 1	. 5	42.7	43.0	43.6	44.3	44.3	44.4	44.6	44.7	44.8	45.0	
. 1 3	• 9	45.1	45.4	46.0	46.7	46.7	46.8	46.9	47.1	47.2	47.3	
	• 2	47.3	47.6	48.3	49.1	49.1	49.2	49.3	49.5	49.6	49.7	
.2 7		48.3	48.5	49.2	50.0	50.0	50.1	50.3	50.4	50.5	50.7	
δ	. 1	49.5	49.7	50.4	51.2	51.2	51.3	51.6	51.7	51.9	52.0	
.6								•	<b>y</b> - '			
. 9 E	• 3	56.8	57.0	57.7	58.6	58.6	58.8	59.0	59.2	59.3	59.4	
. 9 7	. 6	59•0	59.3	59.9	60.9	60.9	61.0	61.3	61.4	61.5	61.7	
. 8 2	• 1	63.7	64.3	65.O	65 • 9	65.9	66.0	66.3	66.4	66.6	66.7	
.7 5	• G	66.6	67.2	67.9	68.8	68.8	69.0	69.2	69.4	69.5	69.6	
1	• 5	73.5	74.1	74.8	75.7	75.7	75.9	76 • 1	76.3	76.4	76.5	
.6												
.03	• 6	75.3	76.0	76.7	77.6	77.6	77.7	78.0	78.1	78.2	78.4	
. 6 17	• 1	78.8	79.4	80.1	81.0	81.0	81.2	81.4	81.6	81.7	81.8	
. C 7	٠ ن	79.3	80.0	80.6	81.6	81.6	81.7	82.0	82.1	82.2	82.4	
• 9 b	• 5	82.8	83.4	84.1	85.0	85 · C	85.1	85.4	85.5	85.7	85•8	
	• 5	87.5	88.2	89.0	89.9	89.9	90.1	90.3	90.5	90.6	90.7	
.3	7	00 7	00 =	- 4 0								
• 2 [	* / - L		90.3	91.2	92.3	92.3		92.7	92.8	93.0	93.1	
• 1 6	• 0	90.6	91.2		93.2	93.2	93.4	93.6	93.8	93.9	94 • D	
• 6 L	• 1	92.2		94.0	95.1	95.1				95.8	95.9	
· 3 h	• 1	92.7	93.4	94.6	95.6	95.6	95.8	96.0	96.2	96.3	96 <b>. y</b>	
1		93.2	93.9	95.1	96.3	96.4	96.6	96.8	96.9	97.1	97.2	
· 8	, E,	93.6	94.3	9.5.5	0.4	06.0	07 1	07 7	07 5	07 (	07.7	
. 1	. 6	93.8	94.4	95.9	96•8 97•7	96•9	97.1	97.3	97.5	97.6	97.7	
3 1	. 8	93.9	94.6	96.3	98.1	98.0 98.5	98.1	9'8 • 4	98.5	98.7	98 • 8	
31	. 8	93.9	94.6	96.4	98 • 3	98.7	98.7 98.8	98.9	99.,5	99.6	99•7	
	. 8	93.9	94.6	96.4	98.3	98.7	98.8	99•1 99•1	99.6 99.6	99.9	100.0	
. 3	• •	, , ,	7110	/ U • T	7 Q • J	7011	70 • 0	77 • 1	77.0	99.9	100.0	
	. 8	93.9	94.6	96.4	98.3	98.7	98 • 8	99.1	99.6	99.9	100.0	
,									,,,,		100.0	
				, -				,				

1

 $\bigcirc$ 

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSE

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

C £3	 LLING	• • • • •	• • • • • •	• • • • • •	• • • • • • •			VISIBIL	• • • • • • • • • • • • • • • • • • •	
	IN I	бŢ	GE	GE	GE	GE	GE	GE GE	GE GE	HUNDR
	EET Î	160	90	80	60	48	40	32	24	2
• • •	• • • • • •	• • • • •					_	• • • • • • •		
NС	CEIL	2.3	26.6	26.7	20 13	20.7	-0 -	<b>a</b>	22.2	2.0
** •	Vuit ;	<b>4.</b> ♥ <i>5.</i>	40.0	26.7	28.Ŭ	28.3	28.3	28.8	28.8	29.
	200001	5.3	35.6	35.7	37.1	37.3	37.3	37.8	37.8	38,
	180001	5.3	36.3	36.4	37.7	38.O	38.O	38.5	38.5	38.
	16000	5.3	36 • 3	36.4	37.7	38.0	38•O	38.5	38.5	38.
	14800	5.7	36.9	37.1	38.4	38.6	38•6	39.3	39.3	39.
GE	120001	6.2	38.C	38.1	39.6	40.0	40.0	40.6	40.6	40.
GE	10000[	6.8	42.2	42.4	43.8	44.5	44.5	45.3	45.3	45.
GF	90001	6 . 8	43.6	43.7	45.2	45.8	45.8	46.6	46.6	46.
GΕ	80001	6.8	47.C	47.1	48.6	49.3	49.3	50.1	50.2	50.
GE	70001	6.8	47.8	47.9	49.4	50.1	50.1	50.9	51.0	51,
GE	60001	8.1	51.0	51.1	52.6	53.3	53.4	54.4	54.6	54,
GE	50001	9.7	58.4	58.8	60.3	61.0	61.1	62.4	62.5	62
bε	4500	10.2	62.4	63.1	64.5	65.2	65.3	66.7	66.8	66.
CE	40061	10.9	68.3	69.1	70.5	71.2	71.3	72.9	73.3	73
GE	35001	11.3	72.8	73.6	75.2	75.8	76.0	77.6	78.p	78
ĜΕ	30 00	12.4	79.5	80.5	82.6	83.5	83.7	85.4	85.8	85
GE	2500	13.8	81.8	82.7	85.1	86.1	86 • 2	87.9	88.3	88.
ĜΕ	2000	15.0	84.9	85.8	88.7	89.6	39•E	91.6	92.0	92
GE	1800	15.7	85.9	86.9	89.8	90.8	91.0	92.8	93.2	93
CE	1500	15.9	87.3	88.3	91.4	92.7	92.8	94.8	95.2	95
GΕ	12001	16.5	88.4	89.8	93.1	94.6	94.7	96.8	97.3	97
GE	1000	16.5	88.7	90.0	93.8	95.4	95•6	98.0	98.5	98
GE	900	16.5	28.7	97.0	93.8	95.4	95.6	98.1		
GE	8001	16.5	38.7	93.0	94.0	95.6	95.0	98.5	98•7 99•1	98
ĞĒ	7001	16.5	98.8	90.2	94 2	95.8	96 • B	98.7	99.3	99 99
GE	6001	16.5	88.8	90.2	94.2	95.9	96.1	98.9	99.7	
J	0001	10.0	50 6 0	90.2	74 • 2	75.7	90 • 1	70.9	99.1	99
GE	560				94.2			99.1	99.9	100
GE	4001		8.88		94.2			99.1		100
GE			88.8		94.2			99.1		100
GE				90.2				99.1		100
GE	1001	16.5	88.8	90.2	94.2	95•9	96 • 1	99.1	99.9	100
6 E		16.5	89.8	90.2	94.2	95.9	96.1	99.1	99.9	100
			• • • • • • •							

	VISIBIL	ITY IN	HUNDREDS	OF ME	TERS			• • • • • • •	••••		• •
	GΕ	GE	GE	GE	GE	GE	GE	GΕ	GE	GE	
Û	32	24	20	16	12	10	8	5	4	9	
•	• • • • • • •			• • • • • •	• • • • • •	• • • • • •	• • • • • •	• • • • • • •	• • • • • •	• • • • • • • •	• •
3	28.8	28.8	29.0	29.0	29.0	29.0	29.0	29.0	0 • 9 څ	29.0	
3	37.8	37.8	38.0	38 • D	38.0	38 ÷ 0	38.0	38.0	38.G	38.0	
C	38.5	38.5	38.6	38.6	38,6	38.6	38 • 6	38.6	38.6	38.6	
C	38.5	38.5	38.6	38.6	38.6	38.6	38.6	3.8 6	38.6	38.6	
6	39.3	39.3	39.4	39 • 4	39.4	39.4	39.4	39.4	39 * 4	39,.4	
O	40.6	40.6	40.8	40.8	40.8	40.8	40.8	40.8	40-8	40.8	
5	45.3	45.3	45.4	45.4	45.4	45 • 4	454	45.4	45.4	45.4	
3	46.6	46.6	46.7	46.7	46.7	46.7	46.7	46.7	46 • 7	46.7	
3	50.1	50.2	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	
1	50.9	51.0	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	
ų	54.4	54.6	54.7	54 • 7	54.7	54.7	54.7	54.7	54.7	54.7	
1	62.4	62.5	62.7	62.7	62.7	62.7	62.7	62.7	62•7	62.7	
3	66.7	66.8	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	
3	72.9	73.3	73.4	73.4	73.4	73.4	7.3.4	73.4	73.4	73.4	
0	77.6	78.L	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	
7	85.4	85.8	85.9	85.9	85.9	85.9	85•9	85.9	85.9	85.9	
2	87.9	88.3	88.4	88.4	88.4	88 . 4	88.4	88.4	88.4	88.4	
3	91.6	92.0	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	
ũ	92.8	93.2	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	
દ	94.8	95.2	95.4	95.4	95.4	95.4	95-4	95.4	95.4	95.4	
7	96.8	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	
6	98.0	98.5	98.7	98.7	98.7	98.7	98.7	98-7	98.7	98.7	
6	98.1	98 • 7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	
9	98.5	99.1	99.2	99.2	99.2		99.2				
5	98.7	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	
1	98.9	99.7	99.9	99.9	9949	99.9	99.9	99.9	99.9	99.9	
1	99•1	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
1	99.1	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
1	99.1	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
1	99.1	99.9	100.0	100.0	100.0	100.0	100.0	100.6	100.0	100.0	
1	99.1	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
1	99.1	99.9	100.0	100.0	100.0	100.0	100.0	1.00 • 0	100.0	100.0	

۲...

1)

	• • • • •			• • • • • • •						• • • • • •	• • • •
	ILING									FITA IN	H NV
	IN	!	GΤ		GE	GE	GE			GE	
Ft	EET	1	16	0 90	08	60	48	4 0	32	24	
* * •	• • • • •	• • •	• • •	• • • • • • • •	• • • • • • •	• • • • • •	• • • • • •	• • • • • •	• • • • • • •	• • • • • •	• • • •
N C	CEIL	ı	3.	6 29.3	30.1	31.7	32.4	32. 4	32 • 8	32.8	3
		•	-x w	2,13	3011	511,	324.	22•4	32.0	32.0	Ž
GΕ	20000	JI	6.	4 38.4	39.3	40.9	41.6	41.6	42.1	42.1	4
GE	18000	) l	6.	4 33.5	39.5	41.1	41.7	41.7	42.3	42.3	4
úΕ	1600	ום	6.	5 38.8	39 • 7	41.3	42.0	42.0	42.5	42.5	4
GE	14000	7	6.		43.3	42.0	42.7	42.7		43.2	4
GE	12000	) I	8.	1 41.9	42.8	44.5	45.2	45.2	45.7	45.7	4
GΕ	10000	ור	9.	1 47.3	48.4	50.5	51.3	51.3	52.1	52.1	e,
6 E	90 DI		9.			51.9				53.5	ម ម ម ម ម
GE			9.			55.7				57.3	ر ب
GE			ý.								5
6 8			10.			60.4				62.0	6
0.5	000	~ ;			0	000	0.12	0.00	02.0	02.0	Ĭ
GE	5000	o I	12.	7 66.4	67.7	70.1	70.9	70.5	72.1	72.1	7
GE	4501		12.			74 • 4				76.5	
G E	4000		13.						82.0	82.0	8
G E	3500	DΙ	13.	9 77.9	79.2	81.7			84.3	84.3	3
GΕ	30.00	0	14.	7 82.4	83.9	86.4	87.6	87.6	89.2	89.3	ક
GE	2501	וח	15.	> 0/1 ~	86.1	89.3	90.7	90.7	92.3	92.4	ς
6 E			15.			91.2				94.4	
6 E	18 90		15.							95.1	
Gε	1500		15.			93.3		* 2		96.8	c
6 E	1200		15.								
	1200	٠,		, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	, , , ,		, , ,	,,,,,	,,,,,	,,,,	ĺ
GE	100	0 1	15.	9 89.3	91.3	94.9	96.5	96.5	98.4	98.8	ç
GΕ	900		15.							98.8	ς
GE	808	9	15.	9 89.5	91.5	95.1				99.6	ç
GE	700	01	15.	9 89.5	91.5	95.1	96-•7	96.7		99.6	ς
GE	6 00	)	15.	9 89.5	91.5	95.1	96.7	96.7	99.2	99.7	9
6 E	r n/	- I	1 0	0 00 5	01 1	OE 1	04 7	04 5	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	ר ממ	_
GE	5 00 4 00		15. 15.			95 • 1 95 • 1			99.2		
GE	300		15.		•				99.2		
GE	2 00		15.						99.2		
6 E		-	15.						99.2		
JL	101	V 1	<b>±</b> ;3 ♦	. 0710	, , , , , , , , , , , , , , , , , , ,	7542	, o • 1	, o	//•6	,,,,	1
GE	1	n I	15.	9 89.5	91.5	95.1	96.7	96.7	99.2	99.7	9

• •

#### NCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM FOURLY OBSERVATIONS

SIBIL	TY IN	h UNDRED	S OF ME		• • • • • •	• • • • • •	• • • • • •	• • • • • •	• • • • • • •	• •
G E	GE	GE	GE	GE	GE	GE	GE	GE	GE	
32	24	20	16	12	10	8	5	4	0	
• • • • •	• • • • • •		• • • • • •	• • • • • •	• • • • • •	• • • • • •	• • • • • •	•••••	• • • • • • • •	• •
32 • 8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	
42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	
42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	
42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42 • 5	
43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	
45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	
52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	
53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	
57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	
58.9	58•9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	
62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	
72.1	72.1	72.1	72.4	72.4	72.4	72.4	72.4	72.4	72.4	
76.5	76.5	76.5	76.8	76.8	76.8	76.8	76.8	76.8	76.8	
82.0	82.0	82.0	82.3	82.3	82.3	82.3	82.3	82.3	82.3	
84.3	84.3	84.3	84.5	84.5	84.5	84.5	84.5	84.5	84.5	
89.2	89.3	89.3	89.6	89.6	89.6	89•6	89.6	89.6	89.6	
92.3	92.4	92.4	92.7	92.7	92.7	92.7	92.7	92.7	92.7	
94.1	94.4	94.4	94.7	94.7	94.7	94.7	94.7	94.7	94.7	
94.8	95.1	95 • 1	95.3	95.3	95.3	95.43	95.3	95.3	95.3	
96.5	96.8	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1	
97.7	98.0	98.0	98.3	98.3	98.3	98.3	98•3	98•3	98.3	
98.4	98.8	98.8	99.1	99.1	99.1	99•1	99.1	99.1	99.1	
98 • 4	98.8	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	
99.2	99.6	99.6				99.9				
99.2	99.6	99.6	99.9	99.9	99.9	99•9	99•9	99.9	99•9	
99.2	99.7	99.7	100.0	100.0	100 0	100.0	100.0	100.0	100.0	
99.2	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
99•2	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
99.2	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
99.2	99.7	99.7	100.0	100.0	100.0	100•Q	100.0	100.0	100.0	
99.2	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
99.2	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100 / 0	

STATION NUMBER:	036440	STATION NAME:	RAF FAIRFORD UK
2 BUTTON NOWREK:	U3644U	STATION NAME:	RAF FAIRFURD UN

CET	LING	• • • • •	• • • • • • •	• • • • • •				TCTRTIT	TY ÎN H	HNI
I		GT	GE	GE	GE	SE			GE	(
	ET		90							
	-									• • •
					•					
NC	CEIL !	• 5	40.1	40.5	44.0	45.2	45.2	46.6	46.6	4 €
										_ =
	200 00	• 9	46.2	46.8	50.6	52.0	52. D	53.6	53.6	53
	18000	۰۹	46.2	46.8	50.6	52.0	52.0	53.6	53.6	53
	160001	. 9	46.2	46.8	50.6	52.0	52.0	53.6	53.6	53
	14000  12060	1.0 1.0	46.8 47.5	47.3 48.0	51.1 51.8	52.5 53.2	52.5 53.2	54.1 54.8	54.1 54.8	5 4 5 4
υ£	126.001	1.0	41.0	40.0	31.0	33.4	33+2	34.0	34.0	24
G E	100 00	1.0	51.8	52.4	56.4	58 • 1	58.1	59.7	59.7	59
GE	90001	i.0	52.5	53.2	57.2	59.0	59.0	60.6	60.6	60
GE	8000	1.0	58.1	58.8	62.8	64.9	64.9	66.5	66 • 5	66
GE	7000	1.0	58.8	59.5	63.5	65.6	65.6	67.2	67.2	67
GE	60001	1.0	60.2	61.1	65.1	67.2	67.2	68.8	68.8	68
	•									
GΕ	5000	1.0	67.2	68.1	72.3	74.5	74.5	76.1	76.1	76
G £	4500	1.0	71.4	72.3	76.4	78.7	78.7	80.3	80.3	80
GE	40 CO	$1 \cdot 0$	74.5	75.4	79.8	82.0	82.0	83.6	83.6	83
G E	3500	1.2	75.4	76.3	80.6	82.9	82.9	84.5	84.5	84
G C	3000 l	1 • 4	79.6	80.5	85.0	87.3	87.3	88.88	88.8	88
GΕ	25001	1.4	80.5	81.3	85.9	89.0	89 • O	90.6	90.6	90
GE	2000	1.4	82.7	83.6	88.3	91.4	91.4	93.0	93.0	93
U E	1800	1.4	82.9	83.8	88.5	91.6	91.6	93.2	93.2	93
GE	1500	1.4	83.4	84.3	89.4	92.7	92.7	94.2	94.4	94
GE	1200	1.4	84.3	85.3	90 • 4	93.7	93.7	95.5	95.6	95
		·								
6 E	1000	1.4	85.3	86.6	92.G	95.3	95.3	97.4	97.6	97
GΕ	900	1.4	85.5	87.1	92.7	96.0	96.0	98.1	98.3	98
G E	003	1.4	35.5	87.1	92.7	96 • B	96.0	98.6	98 • 8	98
6 E	700	1.4	35.5	87.1	93.0	96.3	96.3	99.1	99.3	99
GE	6001	1.4	85.5	87.1	93.Ū	96•3	96.3	99.1	99.3	99
GE	5 00 l	1.4	85.5	87.1	93.0	96.3	96.3	99.1	99.3	29
GE	400	1.4			93.0	96.3		99.1		99
GE	3001	1.4			93.0	96.3				99
GE	200	1.4	85.5		93.0	96.3				99
GE	100	1.4		87.1	93.0		96.3			99
	•						•			
GE	0 [	1.4	85.5	87.1	93.0	96.3	96.3	99.1	99.3	99
• • •	• • • • • • •	• • • • •	• • • • • • •	• • • • •	• • • • • •	• • • • • •	• • • • • •	• • • • • •	• • • • • •	• • • • •

ט טג					OF REC			·86 1800-20	เกก	
VISIBI	LITY IN								• • • • • • • • • •	
GE	GE	GE	GE	 30	GE	GE	GE	GE	GE	
32		20	16	12	10	8	5	4	0	 عد
	• • • • • • •				• • • • • • •			• • • • • •		46
1166										
70.0	46.6	46.6	46 • 6	46.6	46.6	46.6	46.6	46.8	46.8	j
53.6	53.6	53.6	53.6	53.6	53.6	53.6	53 • 6	53.8	53.8	
53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.8	5 <sub>3</sub> .8	19 45
53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.8	53.8	చ
54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.3	54.3	
54.8	54.8	54.8	54.8	54.8	54.48	54.8	54.8	55.0	55.0	,
59.7	E0 3	F 0 7	<b></b>	<b>.</b>	50.7		*- *	~		
	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.9	59.9	
60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.7	60.7	
66.5	66 • 5	66.5	66.5	66.5	66.5	66.5	66.5	66.7	66.7	
67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.4	67.4	
68.8	68.8	68.8	68.8	68.8	68.8	68.8	68•8	68•9	68.9	
76.1	76.1	76.1	76 • 1	76.1	76.1	76.1	76.1	76.3	76.3	
80.3	80.3	80.3	80.5	80.5	8 <sub>0</sub> • 5	80.5	80.5	80.6	80.6	
83.6	83,6	83.6	g3 • 8	83.8	83.8	83.8	83.8	83.9	83.9	**
84.5	84.5	84.5	84 6	84.6	84.6	84.6	84.6	84.8	84.8	
88.8	88.8	88.8	89.0	89.0	89.0	89.n	89.0	89.2	89.2	~ 1
	••••			0,10	3,40	0.0	07.0	8/•2	07.2	
90.6	90.6	90.6	90.8	90.8	90.8	90.8	90.8	90.9	90.9	
93.0	93.0	93.0	93.4	93.4	93.4	93.4	93.4	93.5	93.5	
93.2	93.2	93,2	93•5	93.5	93.5	93.5	93.5	93.7	93.7	
94.2	94.4	94.4	94.8	948	94.8	94.8	94.8	94.9	94.9	
95.5	95.6	95.6	96 • D	96.0	96.0	96.0	96.D	96.2	96.2	
97.4	97•6	97.6	97.9	97.9	97.9	97.9	97.9	98.1	98.1	
98.1	98.3	98.3	98 • 6	98.6	98.6	98.6	98.6	98.8	98.8	**
98.6	98.8	98.8	99.1	99.1	99.1	99•1	99.1	99.3	99.3	***
99.1	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.8	99•8	
99.1	99.3	99.3	99.8	99.8	99.8	99.8	99.8	100.0	100.0	~
									•	-
99.1	99.3	99.3	99.8	99.8	99 • 8	99.8	99.8	100.0	100.0	
99.1	99.3	99.3	99.8	99.8	99•8	99•8	99.8	100.0	100.0	••
99.1	99.3	99.3	99.8	99.8	99,8	99.8	99.8	100.0	100.0	•
99.1	99.3	99.3	99.8	99.8	99.8	99.8	99.8	100.0	100.0	
99.1	99.3	99.3	99•8	99.8	99.8	99.8	99.8	100.0	100.0	
99.1	99.3	99.3	99.8	99.8	99 . 8	99.8	99.8	100-0	100.0	
				• • • • • •						{ ~~
99.1	99.3	99.3	99.8							

(\_\_

Ĺ

1

(

(

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

				• • • • • • • •				· • • • • • <sup>3</sup> .
CEILING								TY IN F
IN   FEET	GT 160	GE 90	G E 80	GE 60	GE 48	GE 4 ນ	G E 32	GE 24
FE.C.1	100	70				· · · · · · · · · · · · · · · · · · ·		
NO CEIL	1.5	43.3	43.5	44.9	46.1	46.2	49.1	49.1
ee noonal		n <b>c</b> 0	ne e	47 7	no (	us o	E 2 1	52.1
GE 20000  GE 18000	1.9 1.9	45.0 45.0	45.5 45.5	47.3 47.3	48.6 48.6	48•8 48•8	52.1 52.1	52.1
GE 16000	1.9	45.C	45.5	47.3	48.6	48.8	52.1	52.1
GE 14000	1.9	45.0	45.5	47.3	48.6	48 • 8	52.1	52.1
6E 12000	2.1	46.2	46.7	48.5	49.8	50.0	53.3	53.3
GE 10000]	2.2	50.9	51.4	53.3	55.0	55.3	58.6	58.6
GE 90001		51.2	51.7	53.6	55.3	55.7	58.9	58.9
GE 80001		57.0	57.5	59.9	61.6	62.0	65.2	65.2
GE 7000		58.6	59.1	61.5	63.2	63.5	66.8	66.8
GE 6000	2.9	59.8	60.4	62∙8	64.6	64.9	68.2	68.2
6E 50001	1 ، د	64.9	65.6	68.3	70.4	70•7	74.0	74.1
GE 45001		67.5	68.2	70.9	72.9	73.3	76.5	76.7
GE 4000		70.4	71.1	74 • 1	76.2	76.5	79 • 8	80.0
GE 3500		71.7	72.4	75.5	77.6	77.9	81.2	81.3
CE 3000	3.3	73.8	74.5	77.7	79.8	80.1	83.4	83.6
GE 2500	3.3	75.0	75.7	78.9	81.2	81.5	84.8	84.9
6E 2000		76.7	77.6	81.0	83.6	83.9	87.2	87.3
GE 1800		76.9	77.7	81.2	83.7	84.1	87.3	87.5
GE 1500		78.9	0.58	83.6	86.1	86.5	89.7	89.9
CE 12001	3.9	80.5	81.7	85.4	88.0	88.4	91.8	92.0
GE 1001	3.9	81.3	82.5	86.6	89.2	89.6	93.3	93.5
GE 900		82.5	83.7	87.8	90.6	90.9	94.7	94.9
6E 800		83.2	84.4	88.7	91.4	91.8	95.9	96.1
6E 700		83.9	85.1	89.6	92.3	92.6	96.9	97.1
GE 600	3.9	83.9	85.1	89.6	92.8	93.2	97.4	97.6
6E 500	3.9	83.9	85.1	89.6	93.2	93.5	97.8	97.9
GE 400	3.9	83.9	85.1	89.6	93.3	93.7	97.9	98.1
		83.9						
GE 2001 GE 1001		83.9 83.9						
G	J • 7	CJ • 7	03.1	09 • 6	93.3	7341	71 • 7	90 • J
		83.9						

### ENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM FOURLY OBSERVATIONS

G E 32	GE 24	49.5 52.4 52.4	GE 16	GE 12	• • • • • •	GE 8	G <sub>E</sub>	GE 4	G E O	
32 49.1 52.1 52.1 52.1	49.1 52.1 52.1 52.1	49.5 52.4 52.4	16 49.5	12	10	8	5	4		
49.1 52.1 52.1 52.1 52.1	49.1 52.1 52.1 52.1	49.5 52.4 52.4	49.5	• • • • • •	• • • • • •				Ü	
49.1 52.1 52.1 52.1	49.1 52.1 52.1 52.1	49.5 52.4 52.4	49.5			• • • • • •				
52.1 52.1 52.1	52.1 52.1 52.1	52.4 52.4		49.7	49.7			• • • • • •	• • • • • • • • •	•
52 · 1 52 · 1 52 · 1	52.1 52.1	52.4	52.4		.,,	49.7	49.7	49.7	49.7	
52.1 52.1	52-1			52.6	52.6	52.6	52.6	52.6	52.6	
52.1			52.4	52.6	52,6	52.6	52.6	52.6	52.6	
	52.1	52.4	52.4	52.6	52.6	52-6	52.6	52.6	52.6	
	J L V 4	52.4	52.4	52.6	52.6	52.6	52.6	52.6		
•	53.3	53.6	53.6	53.8	53.8	53.8	53.8	53.8	53.8	
58.6	58.6	58.9	58.9	59.1	59.1	59•1	59.1	59.1	5 9• 1	
58.9	58.9	59.2	59.2	59.4	59.4	59.4	59.4	59.4	59.4	
65.2	65.2	65.6	65.6	65.8	65.8	65.8	65.8	65.8	65.8	
66.8	66 • 8	67.1	67.1	67.3	67.3	67.3	67.3	67.3		
68.2	68.2	68.5	68.5	68.7	68.7	68.7	68.7	68.7	68.7	
7	<b>~</b> 1. 4	7	-	m (. m		m ==	_	<b></b>		
74.0	74.1	74.5	74.5	74.7	74.7	74.7	74 • 7	74.7	74.7	
76.5	76.7	77.1	77.1	77.2	77.2	77.2	77.2	77.2	77.2	
79.8	80.0	80.3	80.3	80.5	80.5	80.5	80.5	80.5	80.5	
31.2	81.3	91.7	81.7	81.8	81-48	81.8	81.8	81.8	18	
83.4	83.6	83.9	83.9	84.1	84.1	84 • 1	84.1	84.1	o4 • 1	
34.8	84.9	85.3	85.3	85.4	85.4	85.4	85.4	85.4	85.4	
87.2	87.3	87.7	37.7	87.8	87.8	87.8	87.8	87.8	87.8	
87.3	87.5	87 • 8	87.8	88.0	88.0	88 • G	88.0	88.0	88.0	
39.7	89.9	90.2	90.2	90.4	90.4	90.4	90.4	90.4	90.4	
91.8	92.0	92.3	92.5	92.6	92,6	92.6	92.6	92.6	92.6	
93.3	93.5	93.8	94.2	94.5	94.5	94.5	94.5	94.5	-94 5	
94.7	94.9	95.2	95.5	95.9	95.9	95-9		95.9	95.9	
95.9	96.1	96.4	96.7	97.1	97.1	97-1	97.1	97.1	97.1	
96.9	97.1	97.4	97.8	98.1	98.1	98.1	98.1	98.1	98.1	
97.4	97.6	97.9	98.5	98.8	98.8	98.8	98.8	98.8	98 • 8	
97.8	97•9	98.5	99.3	99.•7	99.7	99.7	99.7	99.7	99.7	
97 <b>.</b> 9	98.1	98.6	99.5	99.8	99.8	99.8	99.8	99.8	99.8	
97.9	98.1	98.6	99.5	99.8	99.8	99 • 8	99-0	99.8	99.8	
97.9		98.6			-					
	98.1		99.•5	9.9 • 8	99.8	99.8	99.8	99•8	99.8	
97.9	98.3	98.8	99.7	100.0	100.0	100.0	100.0	1.00.0	100.0	
77.9	98.3	98.8	99.7	100.0	100.0	100.0	100.0	100.0	100.0	

()

O

	LING		••••				• • • • • • .			
		l GT	GE	GE	GE	GE	GE	VISIBIL GE		HUN
	, ,	150			Ծ <u>։</u> 6 ն		40		GE 24	
			• • • • • • •			70		J2 • • • • • • • •		
N C	CEIL	2.5	30.4	31.1	33.1	34.1	34.2	35.4	35.8	3
	20000	•		36.5	38.7	39.9	40.1	41.4	42.0	4
	18000	-		36.7	38.9	40.1	40.3	41.6	42.2	4
	16000	, ,		367	39.0	40.1	40.3	41.7	42.2	4.
	14000			37.1	39 • 4	40.6	40.7	42.1	42.7	4.
6 E	120001	4.3	37.3	38.2	40.5	41.8	41.9	43.3	43.9	4-1
6 E	10000		41.0	42.0	44.5	45.9	46.0	47.7	48.2	4 8
G E	9000	•	42.0	43.0	45.5	46.9	47.1	48.7	49.3	4.9
GE	80001	-	45 • 7	46.9	49.5	50.9	51.1	52.7	53.4	51
GE	71.00			47.9	50.6	52.0	52.2		54.5	5 !
GE	6000	5.3	48.6	49.7	52.5	54 • 0	54.2	55.9	56•5	57
GE	5000		54.3	55.8	58.9	60.6	60.8	62 • 6	63.3	64
GE	4500	~	57.2	5੪.7	61.9	63.6	63.8	65.7	66 • 4	6-7
GE	4000			62.5	65.∙ მ	67.5	67.8		70.6	71
6 E	35 00			64.9	68.3	70.0	70.3	72.2	73.1	73
GF	30001	7.4	67.6	69.3	72.8	74.7	74.9	76.9	778	7-8
GE	2500		69.1	70.8	74.5	76.5	76.7	78.7	79.6	3.8
GΕ	2000			73.3	77 • 2	79.3	79.5	81.6	82.5	83
GE	1800		71.9	73.7	77 • 6	79.8	80.0	82.1	83.0	83
GE	1500		73.7	75.7	80. ü	82.3	82.5	84,6	85.6	86
GE	1200	9.5	75.6	77.7	82.3	84.7	84.9	87.2	8-8 - 2	8 <del>9</del>
GE	1000		76.5	78.6	83.5	86.0	86.3	88.3	89.8	90
GE	900			79.0	84.0	86.6	87.C	89 • 4	90.5	9.1
C E	800			7-97	84.8	87.5	87.8		91.6	92
GΕ	700 [			87.1	85.4	88.1	88.5	91.3	92.5	93
G E	6901	9.8	11.9	80.2	85.6	88.4	88.8	91.7	92.9	93
GE	5 00 1		78.0	80.3		88 • 6		92.0		
GE	4001		78-1	8 n <b>.</b> 4		88,9	89.3	92.4	93.8	9_4
GE	300				86.1	89.1	89.5	92.5	94.0	9 5-
GE	2.00				86 • 1	89.1	89.5	92.6	94.0	95
6 E	100	9.8	78•1	80.5	86.1	89.1	89.5	92-•6	94 • 1	95-
GE	0-1		78.1	80.5	86.1	89.1	89•5	92.6	94.1	95.

TOTAL NUMBER OF OBSERVATIONS: 5594

STRŤL	* * * * * * * * * * * * * * * * * * *	HUNDREDS			• • • • • • •	• • • • • •	• • • • • • •	• • • • • •	• • • • • • • • •
GE	GE	GE	GE	GE	G.E	GE	GE	GE	GÉ
32	24	20	16	12	10	8	5	4	٥
					• • • • • •	• • • • • •	-		
			<b>-</b>						
35.4	35.8	36.3	36.8	37.0	3-7 • 1	37.3	37.6	37.8	38.3
41.4	4-2.0	42.5	43.0	43.2	43.4	43.5	43.8	44.1	44.8
41.6	42.2	42.7	43.2	43.4	43.6	43.8	44.0	44.4	45.0
41.7	42.2	42.7	43.3	43.5	43.7	43.8	44.1	44.4	45,0
42.1	42.7	43.2	43.7	43.9	44.1	44.2	44.5	44.8	45.5
43.3	43.9	44.4	44.9	45.1	45.3	455	45.7	46.0	46.7
			_						
47.7	48.2	48.8	49.4	49.6	4.9 •-8	49.9	50.2	50.5	51.2
48.7	49.3	49.9	50.5	50.7	50.9	51.0	51.3	51.6	52.3
52.7	53.4	54.0	54.6	54.8	55.0	55.1	55.5	55.8	56.5
53.8	54.5	55.1	55.7	55.9	56.1	56.2	56.6	56.9	57.6
55.,9	56•5	57.2	57.8	58.0	58 • 2	58-•4	58.7	59.0	59.7
62.6	63.3	64.0	64.7	64.9	65 • 1	65.3	65.6	65.9	66.•6
65.7	66.4	67.1	67.9	68-1	68.3	68.4	68.8	69.1	6-9 • 8
69.7	70.6	71.3	72.0	7-2.2	72.4	72.6	72.9	73.3	73.9
7.2.2	73.1	73.8	74.5	74.8	75.0	75-1	75.5	75.8	76.5
76.9	77.8	78.6	79.3	79.5	797	79.9	80.3	80.6	81.3
				- ,					
78.7	79.6	80.4	81.1	81.4	81.6	81.7	82.1	82.4	83.1
81,6	82.5	83.2	84.0	84.3	84.5	84.6	85.0	85.3	86.0
82.1	83.0	83.8	84-6	84.8	85.0	85.2	85.5	85.9	86.5
84.6	85.6	86.4	87 • 2	87-4	8-7 • 6	87.8	88.1	88.5	89.1
87.2	88.2	89.0	89.8	90.0	90.2	90.4	90.7	91.1	91.7
8-8-8	89.8	90.6	91.4	91.7	91.9	92.Ô	92.4	92.7	93-4
89.4	90.5	9-13	92.1	92.4	92.6	92.8	93.1	93.4	94.1
90.5	91.6	92.5	93.4	93.7	93.9	94.1	94.4	947	95.4
91.3	92.5	93.5	94.4	94.6	94.8	95.0	95.4	95.7	96-•4
91.7	92.9	9-3.9	94.9	95.2	95.4	95,6	96.0	96.3	97.0
00 0	07 7	0.6. 3	05 "	05 4	o= 0	o	0.4 1	~	a
92.0	93.3	943	95.4	95.6	95.9	96.0	96.4	96.8	97.4
92 • 4	93.8	94.8	96 • 1	96.4	96.6	96.8	97.2	97.5	98.2
92.5	940	9-5 • 1	96 • 5	96 • 8	9.7.0	97.2	97•7	98.2	99 • 0
92.6	94.0	95.2	96.6	96.9	97.2	97.4	98.0	98.6	99.7
92.6	94.1	95.3	96 • 7·	97.0	97.3	97.5	98.2	98.7	99•9
92.6	94.1	95.3	96.7	97.0	97.3	97.6	98.2	98.8	100.0

C

L

L

1

(

€.

1

(

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEI	LING	• •							VISIBILI	TY I'N	
1		l	GT	GE	GE	GE	GE	GE	GE	GE	G
FE	•	I	160	90	80	60	48	40	32	24	
• • •	• • • • •	• •	• • • • •	• • • • • • •	• • • • • •	• • • • • • •		• • • • •	• • • • • • •	* * * * * *	
И С	CEIL	I	3.3	31.1	31.9	34.0	35.6	36.0	36.7	37.2	37
	20000		3.6	33.1	33.9	36 • 0	37.9	38 • 3	39.0	39.5	39
	18000		3.6	33.2	34.0	36 • 1	38.0	38.4	39 • 1	39.6	39
	16000		3.6	33.2	34.0	36 • 1	38.0	38 • 4	39 -1	39.6	3 <sup>-9</sup>
	14000		3.6	33 • 2	34 • O	36 • 1	38 • D	38.4	39.1 41.2	39.6 41.8	4 1
bŁ	12000	<i>)</i>	4.3	34.9	36.0	38 • 3	40.2	40.6	41•4	4140	7 .
	10000		4.3	36.9	38.0	40.6	42.8	43.4	44.0	44.6	4 (
	,9000		4.3	37.8	38.8	41.4	43.6	44.2	44.8	45.4	4 !
3 E	8000	-	4.3	41.4	42.4	45.0	47.3	47.8	48.7	49: 3	4
G E G E	7000		4 • 4 5 • 0	42.6	43.6	46 • 2	48.5	49•0 49•9	49.9 50.9	50.5 51.4	5 5
) L	6000	) į	<b>5.</b> ∪	43.1	44.2	47.1	49.4	4707	30 • >		J
ĕΕ	5ეე(		5.4	47.3	48.3	51.4	53.8	54.4	55.4	56.0	5
E	4500	11	5.5	49.1	5g.3	53.7	56.1	56.6	57.7	58.2	5
Ε	4000		5.9	53.4	54.8	58 • 2	60.6	61.2	62.2	62.8	6
3-E	3500		6.0	54.8	56.1	60.0	63.3	63.9	64.9	65-6	6
3 E	3000	)-[	6.3	59.3	61.2	65.5	68.8	69.6	70.8	71.5	7
GE	2500		6.7	6g.8	62.8	67.1	71.1	72.3	73.6	74.4	7
5 E	2000		6 • 8	63.7	65.9	70 • 7	74.8	76.7	7-8.6	79.4	7
E	1800		6.8	63.9	66.0	71.0	75.1	77.0	78.8	79.7	8
5 E	1500		7.1	66.3	68.4	73.5	77.6	79 • 5	81.4	82.2	8
5 E	120	3	7 • 4	68.7	70.8	76 • 0	80.2	82.1	83.•9	84.9	8
3 €	100	- 1	7.4	69.3	71.5	76.7	81.0	83.0	84.9	85.9	8
ΞE	901		7 • 6	70.5	72.8	78 <b>-</b> -0	82.6	84 • - 6	86.5	87.6	
Ε	8.03		7.6	71.4	74.0	79 • 7	84.2	86.2	88.1	89.2	
ΞE	751		7.6	72.4	75.1	80.7	85.7	87.8	89.8	90.9	
GE	60	0	7.6	73.• D	75.8	81.8	86.7	89.3	91.6	92.6	9
CE	501		7.6	73.2	76.0	82.1	87.1	89.7	92.1	93.3	
GE	401		7-• 6	73.4	76.2	82.2	87.3	89 • 8	92.2	93.4	
e E	3 01		7.6	73.4	•	82.6	88 • 1	90.6	93.2	94.4	
CE	20		7.6	73.4		82.6	88.4	90.9	•		9
G E	1.0	0	7.6	73.4	76.2	82.6	88 • 4	90•9	93.4	94.6	9
C E	!	0	7.6	73.4	76.2	82.6	88.4	90.9	93.4	94.6	ę
		•		-						.(	

### ON FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

					MONTH:				0000-020		
V	/ISIBIL!	ITY IN I	+UNDREDS	OF MET	ERS		• • • • • • •		, <b></b> .	,	
GE	GE	GΕ	GE	GΕ	GE	GE	GE	GE	GE	GE	
46	32	24	20	16	12	1-0	8	5	4	0	
_											
86.C	36.7	37.2	37.3	37.6	37.6	37.6	37.8	39.0	39.2	39.6	
88.3	39.0	39.5	39.6	39.9	39.9	39.9	40.0	41.6	41.9	42.3	
ZE.4	39 • 1	39.6	39.8	40.0	40.0	40.0	40.2	41.8	42.0	42.4	
88.4	39.1	39.6	39.8	40.0	40.0	40.0	40.2	41.8	42.0	42.4	
8.4	39.1	39.6	39.8	40.0	40.0	40.0	40.2	41.8	42.0	42.4	
6.0	41.2	41.8	41.9	42.3	42.3	42.3	42.4	44.0	44.5	44 • 7	
_			n (s. =	nc +	11 E 1	11 E 1	/LE 3	11.6	0.7 1	47.5	
13.4	44.0	44.6	44 •-7	45.1	45.1	45-1	45.2	46.9	47.1 47.9	48.3	
14.2	44.8	45.4	45.5	45 • 9	45.9	45.9	46 • 1	47.7			
17.8	48.7	49.3	49.4	49.8	49.8	49.8	49.9	51.5	51.8	52 • 2	
19.0	49.9	50.5	50.6	51.0	51.0	5-1-• <u>0</u>	51.1	52.7	53.0	53.4	
19 • 9	50.9	51.4	51.5	51.9	51.9	51.9	52.1	53.7	53.9	54.4	
: 11 11	CC 11	-4 D	E / 1	54 <b>5</b>	56.5	565	56.6	58.2	58.5	58.9	
4.4 56.6	55.4	56.D	56 • 1	56.5			58.9	60.5	60.8	61.2	
10.0	57.7	58.2	58.4	58.8	58.8	58-8				66.0	
1.2	62.2	62.8	63.2	63.6	63.6	63.6	63.7	65 • 3	65.6		
3.9	64.9	65.46	66.D	66.4	66.4	66 • 4	66.5	68 • 1	68.4	68.8	
69.6	70.8	7-1 - 5	71.9	72.3	72.3	72.3	72.4	74-• D	74.3	74.7	
72.3	736	744	74.8	75-• 2	75.2	75.2	75.4	77.0	77.2	77.6	
76.7	78.6	79.4	79.9	80.3	80.3	80.3	80.5	82.1	82.3	8-2.7	
77.0	78.8	79.7	80.2	80.6	80.6	80.6	80.7	82.3	82.6	83.0	
79+5	81.4	82.2	82.7	83.1	83.1	83.1	83.3	84.9	85.1	85.5	
79• 5 72• 1	83.9	84.9	8:5 • 4	85.8	85.8	85.8	85.9	87.6	87.8	88.2	
,	03.7	04.7	0-2 + 4	0310	0310	<b>43.4</b> 0	05.7	00	0,40	0002	
13. C	84.9	85.9	86.5	87.0	87.0	87.0	87.1	88.8	89.0	89.4	
14.6	86.5	87.6	88.1	88.8	88.8	88.8	88.9	90.5	90.8	91.2	
36 - 2	88.1	89.2	8.9.7	90.4	90.4	90.4	90.5	92.1	92.4	92.8	
17.8	89.8	90.0	91.4	92.1	92.1	9.2 • 1	92.2	93.8	94.1	94.5	
29.3	91.6	92.	93.2	93.8	93.8	93.8	94.0	95.6	95.9	96.3	
. , • 5	71.0	/	,,,,	,5•0	,,,,,	, , , ,	,,,,	, , , , ,	, , ,	, , , , ,	
39.7	92.1	93.3	93.8	94.5	94.5	94.5	94.•6	96.3	96.5	96.9	
39.8	92.2	93.4	94.0	94.6	94-6	94.6	94.8	96.4	96.7	97.2	
70.6	93.2	94.4	94.9	95.6	96.0	96.0	96.3	98.0	98.3	98.8	
10.9	93.4	94.6	95.2	96.0	96.4	96 4	96.7	98.4	98.7	99.7	
90.9	93.4	94.6	95.2	96.0	96.4	96 • 4	96.7	98.4	98.7	99.7	
			v 6	, , , ,	. • • •	· • · •	. + . •	. = = =	= * *		
9L.9	93.4	94.6	95.2	96.O	96.5	96.5	96.9	98 • 7	98.9	100.0	
	- "										

CE	LING	• • • • •	• • • • • • •	• • • • •	• • • • • • •			VISIBILI		
3	EN	GT	GE	GE	GΕ	GE				Gl
FE	ELT	160	90	80	60	48	4-0	32	24	÷
	• • • • • • •		• • • • • • •							
	_									
NC	CEIL	2.8	28.8	29.1	31.2	32.2	32.9	33.8	33.9	34
	_			¥						
	20000	3.0	30.1	30.4	32.6	33.7	34.5	35.4	35.5	35.
	180001	3.0	₹0+1	30 • 4	32.6	33.7	34.5	35.4	35.5	35
	16000	3.0	30.1	30.4	32.6	33.7	34•5	35.4	35.5	35
	14000	3.n	30.1	30.4	32.6	33.7	34.5	35.4	355	35
üE	120001	3.1	31.1	31.3	33.7	34.7	35.5	36.4	36.6	36
		_								
	10000	3.1	32.0	32.2	34 6	35.8	36.6	37.5	37.6	37
GE	90.00	3.1	32.5	32.8	35.1	36 • 4	37.2	38.1	38.3	38
G E	80001	3.1	35-• 4	35.6	38.0	39.3	40,1	41.2	41.3	41.
3 9	7000	3.1	36.℃	36.3	38.7	40.0	40.8	41.8	41.9	42
G E	60001	3.1	37.0	37.2	39.8	41.2	41.9	43.1	43.3	43
c =	55.051	7 1			1. <b>m</b>			4.0.0		
GE	50001	3.1	40.9	41.2	43 • 9	45.5	46.7	48.0	48.1	48
6 E	4500	3.1	43.5	43.8	46.5	48.1	49.3	50.9	51.2	51
GE	4000	3.9	47.3	47.6	50-6	52.2	53.5	55.0	55.4	55
GE	3560	3.9	48.9	49.3	52.7	54.4	56.0	57.7	58.1	58
5 E	3r oo l	4 • 3	52.2	52.8	56 • 6	58.8	60.4	62.1	62.5	62
GΕ	25 00	4.6	54.7	55.3	59.5	61.9	63.8	65.7	66.1	66
GE	2000	5.1	59-1	60.0	64.4	66.8	69.6	71.4	71.8	72
GE	1800	5.4	59.8	60.7	65.0	67.5	70.2	72.1	72.6	72
GE	1500	5.5	62.1	63.0	67.5	70.0	72.7	74.7	75.5	75
GE	1200	5.5	64.1	65.0	69 • 5	72.1	75.0	77.1	78.0	78
	1200	<b></b>	5111	0 7 0 0	09•3	7 4, 4.4	,500	7,41	, 0 , 0	. 0
GE	1000-	5.6	65.7	66.6	71.2	73.9	77.1	79.4	80.3	80
GË	900	5.6	66.7	67.6	72.3	75.2	78.5	80.9	81.8	8 2
GE	1003	5.6	67.8	69.2	74.0	77.2	80.7	83.1	84.0	84
GE	700	5.6	68.5	70.0	75 • 1	78.2	81.9	84.5	85.7	86
GE	600	5.6	68.9	70.6	75.8	78.9	82.6	85.2	86.4	86
	•					1~ • 7	(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	44.1	,	<b>.</b>
G E	5001	5.6	68.9	70.6	75.9	79.2	82.8	85-8	8.7.0	8 7
GE	400	5.6	68.9	70.6	76.3	79.8	83.5	86.6	88.1	88
GE	300	5 • 6	63 • 9	70.6	76.3	79.8	83.5	86.8	88.2	88
GE	200]	5.6	68.9	70.6	76.3	79.8	83.5	86.8	88.5	88
GE	1001	5.6	68.9	70.6	76.3	79.8	83.5	86.8	88.5	88
					<del>-</del>	• •		- 5 - 6		
G.E	0	5.6	68.9	70.6	76.3	798	83.5	86.8	88.5	88
			• • • • • • •							

TOTAL NUMBER OF OBSERVATIONS: 763

(

I

1

1

### LIFREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY NS FROM HOURLY OBSERVATIONS

	1	ORD						HTNOM	OCT		(LST):	0300-05	00	
6 - 0						* * * * * * * * *			• • • • • •	• • • • • • •	• • • • • •	• • • • • • •	• • • • • • •	• • •
M	GF	<b>V</b> ,			GE	HUNDREDS GE	GE		GE	GE	GE	GE	GE	
E 16	1	C		32	24				10	8	5	4	0	
10												• • • • • •		
	•													
. 9	?2.	9	33	. 8	33.9	34.2	34.9	35.0	35.0	35 • O	37.0	37.9	38.8	
	Ì													
• 4			35		35.5		36.4	36.6	36.6	36.6	38 • 9	39.8	40.8	
. 4	34.	5	35		35.5		36-4	36.6	36.6	36.6	38.9	39.8	40.8	
	74.	5	35		35.5		36.4	36.6	36.6	36.6	38.9	39.8	40-•8	
• 4			35 36		35 <sub>•</sub> 5 36•6		36.4 37.5	36.6 37.6	36.6 37.7	36 • 6 37 • 9	38.9 40.4	39.8 41.3	40.8 42.2	
.5	3.31	J	30	• 7	30.0	30.0	31.3	31.0	3 / • /	31 • 3	4014	47.0	46.6	
• 5	36.	6	37	. 5	37.6	37.9	385	38.7	38.8	38.9	41.4	42.3	4-3 • 3	
. 2			33		38.3		39.2	39.3	39.4	39.6	42.1	43.0	4.39	
. 2	40	1	41		4-1 - 3		42.2	42.3	42.5	42.7	45.3	46.4	47.4	
. 9	40.	3	41	8.	41.9	42.2	42.9	43.0	43.1	43.4	46.0	47.1	48.1	
.2	41.	9	43	• 1	43.3	43.5	44.2	44.3	44.4	44.7	47.3	48.4	49.4	
		_		_									<b>-</b>	
• 0	46.	_	4.8		48.1	48.4	49.0	49.1	49.3	49.5	52.2	53.2	54.3	
• 2	49.	3	50		51.2		52.2	52.3	52.4	527 56.0	55 · 3	56,4	57.4	
. 4	53. 56.	ე ი	55 57		55.4 58.1	55•7 58•3	56.4 59.0	56.5 59.1	56 • 6 59 • 2	56.9 59.5	59.5 62.1	60.6 63.2	61.6 64.2	
• 0	e0.	u	62		62.5		63:4	63.6	63.7	64.0	66.6	67.6	68.7	
• 4		•	-	• •	02.0	02.0	450,	03.0	0317	0410	-00.0	67.0	00.	
. n	63.	8	65	• 7	66.1	66.3	67.0	67.1	67.2	67.5	70.1	71.2	72.2	
. 7			7-1		71 · g		72.7	72.9	73.0	73.3	75.9	76.9	78.0	
. 5	70.	2	72	• 1	72.6		73.5	73.7	73.8	74.0	76.7	77.7	78.8	
. 4	72.		74		75.5		76.4	765	76.7	76.9	79.6	80.6	81.7	
۶,	75.	0	77	• 1	78.0	78.2	78.9	79-•0	79.2	79.4	82.0	83.1	84.1	
_	77.	1	79	. Is	80.3	80,6	81.5	81.7	81.8	82.0	84.8	85.8	8.7.0	
. 5	78.	5	80		81.8		83.0		83.2	83.5	86.2	87.3	88.5	
2	80.	7	83		84.0		85.2	85.3	85.5	85.7	88.5	89.5	90.7	
. 9	81.	9	84		85.7	86.D	86.9	87.0	87.2	87.4	90.2	91.2	92-4	
. 5	82.	6	85	•2	86.4	86.6	87.5	87.7	8-7 • 8	88.1	90.8	91.9	93.1	
}														
. 6	82.		85		87.0		88.6	88.7	88.9	89.1	91.9	92.9	94.1	
8	82. 83.		86		88.1	88.3	89.8	89.9	90.0	90.3	93.1	94.1	95.3	
• 9	83.		86 86		88.2 88.5	88.5 88.7	89.9 90.2	90.0 90.3	90.3 90.6	90.6 90.8	93.8 94.4	94•9 95•8	96•1 98 <sub>•</sub> 2	
. 6 . 8 . 9 . 2 . 3	23.		86		88.5	88.9	90.3	90.4	90.7	91.0	94 <sub>*</sub> 5	96.1	98.8	
			- u	· U	00.0		<b></b>	, 4., ,	,	7.10	5: 🗸	- 4 - 4		
. 3	33.	5	86	.8	88.5	88.9	90.3	90.4	90.7	91.0	94.9	96.6	100.0	
~ 1														

1

J

		• • • • •	• • • • • • •			• • • • • •	• • • • • •		) • • • • • • 1	
	LING								ITY IN	HO
	N	l GT		GE	GE				GE	
FE		1 160		80					24	
• • •	••••	• • • • • •	• • • • • • •		• • • • • •	• • • • • •	• • • • • •	• • • • • • •	. • • • • • • • •	• • •
ΝО	CEIL	1.0	21.9	22.7	24.0	25.1	25•4	25.6	26.7	Ź
	20000			25.3	27.0				30.6	. ២១១១១១
	180.00	-		25.4	27.1	28.5		29.6	30.7	3
	16000	•		25.4	27.1				30.7	3
	14000			25.6	27.3				30.8	3
υĘ	12000	1.8	25.3	26.3	28.0	29 • 4	30.0	30.7	31.8	3
	10000				30.1				34.0	3
GE	9000 8000				30.7				34.9	3
GE	7000	•							39.6 40.7	3 4
6 E	6000				36 • <i>2</i>			-	41.3	4
GE	5000				39.8				44.5	4
GE	4500		37.7	39.2					47.2	4
GE	4000								50.1	5
6 E	3500								52 • 7	5 S
ĠΕ	3000	3.2	44.6	46.3	50.5	52.9	53.8	55.2	57.0	5
6 E	2560						50.9	58.2	60.3	6
GE	2000				58.2				67.2	6
GE	1800								67.7	6
GΓ	1500									7
GE	1200	4.9	56.3	58.2	64 • 6	68.1	69.4	71.3	74.6	7
6 €	1000	•	-	• •					76.3	7
GΞ	900								78.3	7
G E	800									8.
GΕ	700	•								8.
G E	6 00	4 9	60.8	63.4	70.6	74 • 4	76.8	79.0	83.0	8:
GE	500	-								
GE	4 00									ð:
6 E	300									8 :
GE	200								84.6	8€
GE	160	4.9	61.1	63.6	71.1	74.9	77.3	79.5	84.6	8 €
GE	a	4.9	61.1	63.6	71.1	74.9	77.3	79.5	84.6	8 €
										• • • • •

### FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

EI

IO

	A IRFORD	UK					: OCT	HOURS	LST); C	0600-08	00
0F	٧.	ISIBIL	ITY IN H			 TFRS			• • • • • •	• • • • • •	• • • • • • • • •
G	GE	GE	GE	GE	GE	GE	GE	GΕ	GE	GE	GE
	40	32	24	20	16	12	10	8	5	4	0
• •		• • • • • •	• • • • • • •	• • • • • • •	• • • • • •	• • • • • • •	• • • • • • •	• • • • • • •		• • • • •	• • • • • • • •
27	25•4	25.6	26.7	26.9	27.4	27.4	27.6	28.0	28.7	29.6	31.3
31	29.0	29.5	30.6	30.8	31.3	31.3	31-6	31.9	32.9	33.8	35.5
31	29.1	29.6	30.7	31.0	31.4	31.4	31 . 7.	32.1	33.0	33.9	35.6
31	29+1	29.6	30.7	31.0	31.4	31.4	31.7	32.1	33.0	33.9	35.6
31.	29.2	29.7	30.8	31.1	31.6	31.6	31.8	32.2	33.2	34.0	35.7
32	30.0	30.7	31.8	32.1	32.6	32.6	32.8	33.2	34.2	35.0	36.7
34	32.2	32.9	34.0	34.3	34.8	35.0	35.3	35.6	36.6	37.5	39.2
35	32.8	33.7	34.9	35.1	35.6	35.9	36.1	36.5	37.5	38.3	40.0
40	37.3	38.3	39.6	39.8	40.3	40.5	40.8	41.4	42.5	43.6	45.5
41.	38.3	39.4	40.7	40.9	41.5	41.8	42.0	42.6	43.7	44.8	46.7
42.	38.9	40.0	41.3	41.5	42.1	42.4	42.6	43.2	44.3	45.5	47.3
45.	42.0	43.1	44.5	44.8	45.5	45.7	45.9	46 • 7	47.9	49.1	51.0
48.		45.8	47.2	47.7	48.3	48.5	48 • 8	49.5	50.7	52.0	53 • 8
51.		48.8	50.1	50.7	51.4	51.6	52.1	52.8	54.1	55.3	57.1
53.	50.C	51.2	52 • 7	53.3	53.9	54.2	54.7	55.4	56.6	57.9	59.7
58.	53.8	55.2	57.0	57.9	58.6	58.8	59.7	60.6	61.8	63.1	65.1
51.	50 <b>.</b> 9	58.2	60.3	61.2	61.9	62.4	63.3	64.1	65.5	66•8	68.8
38.	62.8	64.1	67.2	68.1	68.9	69.4	70.3	71.1	72.6	74.0	75.9
,9.	63.3	64.6	67.7	68.6	69.4	69.9	70.8	71.6	73.1	74.4	76.4
12.	60.7	68.1	71.1	72.0	72.9	73.3	74.2	75.1	767	78.0	80.0
76.	69.4	71.3	74.6	75.4	76.3	76.8	77.6	78.5	80 • 1	81.6	83.5
<sup>7</sup> 8 •	71.1	73.0	76.3	77.4	78.5	79.2	80.1	81.0	82.7	84.2	86.1
30.	73.0	74.8	78.3	79.4	80.5	81.2	82.1	82.9	84.6	86.1	88.1
12.	-	76.8	80.6	81.7	82.8	83.5	84.4	85.3	87 • n	88.5	90.4
13.	75.3	77.4	81.3	82.6	83.7	84.4	85.3	86.1	87.8	89.3	91.3
15.	76.8	79.0	83.0	84.3	85.4	86-1	87.0	87.8	89.6	91.0	93.0
16.	77•1	79.4	83.5	84.8	86.1	86.9	87.7	88.6	90.3	91.8	93.7
	77.3	79.5	84.0	85.3	86.7	87.5.	88.3	89.2	90.9	92.4	94.5
7	77.3	79.5	84.3	85.5	87.0	87.7	88.6	89.4	91.4	93.4	95.8
7	77.3	79.5	84.6	86.0	87.5	88.2	89.2	90.0	92.4	94.5	97.9
6. 7. 7.	77.3	79.5	84.6	86.1	87.6	88,5	89.4	90.3	93.0	95.2	99.3
	77 7	70 -	alı /	0.6 1	d7 /	00 5	00.9	90.7	93.0	05 5	100.0
7.4	77,3	79.5	84.6	86.1	87.6	88.5	89.4	90.3		95.5	100.0

U

Û

(

(

C

Ĺ

1

(

(

(

1

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

I FE	•	GT 160	GE 90	GE 80	GE 60	GE 48	40	VISIBIL: GE 32	GE 24	GE 2
	CEIL	1.1	22.6	23.9	26.4	27 · 4	27 • 8	27.9	28.3	28.
6 E 6 E	20000  18000  16000  14000	1.5 1.5 1.5 1.7 2.2	28.3 28.5 28.5 28.9 30.4	30.0 30.2 30.2 30.6 32.3	32.9 33.1 33.1 33.5 35.2	34 · 1 34 · 3 34 · 3 34 · 7 36 · 6	34.5 34.7 34.7 35.1 37.0	34.8 35.1 35.1 35.4 37.4	35.2 35.4 35.4 35.8 37.7	35. 35. 35. 37.
G E G E G E	10000   9000   8000   7000   6000	2.3 2.4 2.4 2.5 2.8	33.7 34.6 37.6 38.7 39.3	35.7 36.5 39.7 40.7 41.4	38.8 39.7 43.2 44.3 45.2	40.4 41.2 44.7 45.8 47.0	40.7 41.6 45.1 46.2 47.5	41.1 42.0 45.5 46.7 48.0	41.5 42.3 45.8 47.0 48.4	41. 42. 45. 47. 48
GE GE GE	5000   4500   4000   3500   3000	3.1 3.1 3.5 3.6 4.1	41.7 43.9 45.7 46.9 50.9	43.8 45.9 47.9 49.3 53.9	48.0 50.7 53.0 54.9 60.2	50.2 53.1 55.7 57.7 63.5	50.7 53.6 56.2 58.2 64.0	51.1 54.1 56.7 58.6 64.4	51.6 54.5 57.2 59.1 65.2	51 54 57 59 65
G E G E G E	25 00   20 00   18 00   15 00   12 00	4.7 5.0 5.4 6.0 6.2	53·3 55·7 56·8 60·6 62·8	56.3 58.9 60.0 64.0 66.4	62.8 66.0 67.4 72.1 74.8	66.1 69.9 71.2 76.3 79.2	66.7 70.5 71.8 76.9 79.8	67.2 71.0 72.3 77.4 80.5	68.3 72.2 73.5 79.0 82.3	68 72 73 79 82
6 E 6 E 6 E 6 E	1000   900   800   700   600	6.3 6.3 6.3 6.3	64.0 65.1 65.4 66.4 66.6	67.8 68.9 69.4 70.5 70.7	76.9 78.0 78.6 79.9 80.3	81.7 83.0 83.6 84.9 85.6	82.3 83.6 84.2 85.5 86.2	83.4 84.8 85.4 86.9 87.7	85.5 86.9 87.7 89.4 90.1	85 87 87 89
6 E 6 E 6 E 6 E	500  400  300  200  100	6.3 6.3 6.3 6.3	66.7 66.7 66.9 66.9	71.0 71.0 71.1 71.1 71.1	80.5 80.8 81.0 81.0	85.9 86.1 86.3 86.5 86.5	86.5 86.7 86.9 87.1 87.1	87.9 88.1 88.5 88.6 88.6	90.6 91.2 91.9 92.0 92.0	91 91 92 92 92
G E	01	6.3	66.9	71.1	81.0	86.5	37.1	88.6	92.0	92

Ε 1 €

9•

2 • · 5 • · 7 •

9 • 6 •

7 . 8 .

9. D.

3.

4 • 14 • 15 •

15

UK PERIOD OF RECORD: 75-76,79-86	)
MONTH: OCT HOURS(LST): 8900-1100	٠ ,
ISIBILITY IN HUNDREDS OF METERS	
GE GE GE GE GE GE GE	
32 24 20 16 12 10 8 5 4 0	j
	•
27.9 28.3 28.9 28.9 28.9 28.9 29.1 29.7	***
27.9 20.3 20.3 20.7 20.7 20.7	- <b>1.5</b> *
34.8 35.2 35.2 35.8 35.8 35.9 35.9 36.3 36.9	
35.1 35.4 35.4 36.0 36.0 36.2 36.2 36.5 36.5 37.1	J.
35.1 35.4 35.4 36.0 36.0 36.2 36.2 36.5 36.5 37.1	-
35.4 35.8 35.8 36.4 36.4 36.5 36.5 36.9 36.9 37.5	
37.4 37.7 37.7 38.3 38.3 38.5 38.5 38.8 38.8 39.4	)
41.1 41.5 41.5 42.1 42.2 42.3 42.3 42.7 42.7 43.3	^ <u>*</u>
42.0 42.0 42.0	)
45.5 45.8 45.8 46.4 46.6 46.7 46.7 47.0 47.0 47.6	
46.7 47.0 47.0 47.8 47.9 48.0 48.0 48.5 48.5 49.1	,
48.0 48.4 48.4 49.1 49.2 49.3 49.3 59.8 49.8 50.4	)
51.1 51.6 51.6 52.4 52.5 52.6 52.6 53.1 53.1 53.8	
31.1 31.6 31.0 32.1	_)
	Appa <sup>2</sup>
5011 5112 5112 5117	
58.6 59.1 59.1 59.9 60.0 60.1 60.1 60.6 60.6 61.3 64.4 65.2 65.4 66.3 66.4 66.5 66.6 67.1 67.1 67.8	Ĵ
64.4 65.2 65.4 66.5 86.1 66.6	•
67.2 68.3 68.6 69.4 69.5 69.6 69.8 70.3 70.3 71.0	4
71.0 72.2 72.4 73.5 73.6 73.8 73.9 74.4 74.4 75.1	J
72.3 73.5 73.8 74.8 75.0 75.1 75.2 75.7 75.7 76.4	
77.4 79.0 79.2 80.3 80.4 80.5 80.7 81.1 81.1 81.9	_
80.5 82.3 82.6 83.9 84.0 84.2 84.3 84.8 84.8 85.5	Ĵ
83.4 85.5 85.7 87.1 87.2 87.3 87.4 88.3 88.3 89.0 80.8 86.9 87.2 88.5 88.6 88.8 88.9 89.7 89.7 90.4	<b>5</b>
84.6	,
85.4 87.7 87.9 89.2 89.4 89.6 89.7 90.6 90.6 91.3 86.9 89.4 89.6 90.9 91.1 91.3 91.4 92.3 92.3 93.0	
00.7 07.7 07.0 70.7 71.7 72.0 72.0 72.0 72.0 72.0	3
87.7 90.1 90.3 91.7 91.9 92.1 92.3 93.1 93.1 93.8	)
87.9 90.6 91.2 92.6 93.0 93.2 93.3 94.2 94.2 94.9	
87.9 90.0 91.2 72.0 3.0 0.0 0.0 0.5 0 0.5 0	)
00.1 71.2 71.7 75.7	xwa <sup>a</sup>
88.5 91.9 92.6 94.4 94.9 95.3 95.8 96.7 96.9 97.7 88.6 92.0 92.7 94.8 95.5 95.9 96.5 97.5 97.6 98.7	
88.6 92.0 92.9 95.0 95.8 96.1 96.9 98.1 98.4 99.6	•)
88.6 92.0 92.9 95.0 95.8 96.1 96.9 98.1 98.5 100.0	~
, , , , , , , , , , , , , , , , , , ,	·· •
	()

1)

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENC FROM HOURLY OB

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEI	LING	• • • • •	• • • • • • •	• • • • • •					TY IN H	
I	N I	GΤ	GE	GE	GE	GE	GE	GE	GE	
PEI	ET		90	08	60	48	40	32	24	
									• • • • • •	• •
		• • •	•							
N.C.	CEIL	2.1	25.9	26.5	28.2	28.4	28.5	28.5	28.9	2
***	0412 ,		2007	2013	2012	20.	2000	2815		_
GF	200 00 [	3.3	32.6	33.3	35.0	35.1	35.2	35.3	35.7	3
	180001	3.3	32.8	33.4	35 • 1	35.2	35.3	35.5	35.8	3
	16000		32.8	33.4	35 • 1	35.2	35.3	35.5	35.8	3
	14000	3,3						35.48	36.2	3
		3.3	33 1	33.7	35.5	35.6	35 • 7			3
6 E	120001	3 e 7	34.5	35.2	37.0	37.2	37.3	37.4	37.8	3
			<b></b>	22.0			7		4.1.6	
	10000	3.8	38.3	39.0	41 • 1	41.2	41.3	41.4	41.8	4
GΕ	90001	3.8	38.9	396	41.9	42.1	42.2	42.3	42.7	4
GE	80001	4.0	44.1	45.1	47 • 7	47 • 8	47.9	48.0	48.4	4
GE	70 00 l	4.2	45.6	46.6	49.4	49.5	49.6	49.8	50.1	5
ŨΕ	60001	4.2	46.2	47.2	50.1	50.2	50.4	50.5	50.9	5
GE	50001	5.0	50.2	51.2	54.5	54.6	54.8	55.0	55.5	5 :
GE	45 601	5.0	52.9	54.0	57.3	57.5	57.6	57.8	58.3	5 (
GΕ	40001	5.1	57.8	59.C	62.8	63.p	63.1	63.4	63.9	6
GΕ	35001	5.5	59.7	60.9	64 • 7	64.8	64.9	65.4	65.9	6 :
GE	30001	5.7	66.9	68.3	73.∂	73.1	73.2	73.7	74.3	7.1
5	20001	<b></b>	0017	0 % 10	.5.0		, , , ,	. • • •		·
GE	25001	6.2	68.9	70 • 4	75 • 1	75.2	75.3	75.9	76.7	7€
ΰĿ	20001	7.1	73.2	75.1	80.0	80.3	60.4	81.7	82.4	8;
GE	1000	7.9	74.6	76.5	81.9	82.5	82.6	83.9	84.6	81
			77.0	79.5	86 • 1	87.0	87.5	88.9	89.7	85
GE	1500	8.3							94.6	91
GE	12001	8.9	80.4	83.4	90.6	91.6	92.1	93.6	94.0	9.
				0.4				25 2	0/ 5	0.7
GE	1001	9.0	81.3	84.2	91.7	92.8	93.3	95.0	96.5	96
GE	900	9.2	81.4	84.4	91.8	92.9	93•4	95.1	96.6	96
GE	8001	9.2	81.9	85.0	92.5	93.6	94.1	96.0	97.4	97
ijΕ	700	9:2	82.2	85.2	93.4	94.6	95.1	97.1	9.8 • 7	۶ و
GE	600	9.2	82.2	85.2	93.4	94.6	95.1	97.1	98.8	9 €
GE	5001	9.2	82.2	85.2		94.6	95•1	97.2	99.4	99
G E	4001	9.2	82.2	85.2	93.4	94.7	95.2	97.3	99.5	99
6 E	3001	9.2	82.2	85.2	93.4	94.7	95.2	97.3	99.6	99
GE	2001	9.2	82.2	85.2	93.4	94.7	95.2	97.3	99.6	99
GE	100	9.2		85.2	93.4	94.7	95.2	97.3	99.6	99
	100,		<u>-</u>		• •	,				
GE	c1	9.2	82.2	85.2	93.4	94.7	95.2	97.3	99.6	99
							,=== ••••••			
. • •										

TOTAL NUMBER OF OBSERVATIONS: 818

(

1

(

(

OF AF FAIRFORD UK PERIOD OF RECORD: 75-76,79-86 MONTH: OCT HOURS(LST): 1200-1400 VISIBILITY IN HUNDREDS OF METERS GE GE GE GE GE GE GE GE 16 12 10 8 5 GE GE 28.5 28.5 28.9 28.9 28.9 28.9 28.9 28.9 28.9 28.9 28.9 35.3 35.2 35.7 35.7 35.7 35.7 35.7 35.7 35.7 35.7 35.7 8.12 35.3 35.5 35.8 35.8 35.8 35.8 35.8 ₹5.8 35.8 35 • 8 35.8 . 2 35.3 35.5 35.8 35.8 35.8 35.8 35.8 35.8 35.8 35.8 35.8 5...6 35.7 35.8 36.2 36.2 36.2 36.2 36-2 36.2 36.2 36.2 36.2 5.12 37.3 37.4 37.8 37-8 37.8 37.8 37.8 37..8 37.8 37.8 37.8 5. 41.4 41.3 41.8 41.8 41.8 41.8 41.8 41.8 41.8 41.8 41.8 7.1 42.7 42.2 42.3 42.7 42.7 42.7 42.7 42.7 42.7 42.7 42.7 47.9 48.0 48.4 48.4 48.4 48.4 48.4 48 .4 48.4 48.4 48.4 1.5 49.6 49.8 50.1 50.1 50.1 50.1 50.1 50.1 50.1 50.1 50.1 2.12 50.9 50.4 50.5 50.9 50.9 50.9 50.9 50.9 50.9 50.9 50.9 3. 54.8 55.5 55.0 55.5 55.5 55.5 55.5 55.5 55 • 5 5.5.5 55.5 J. 5 57.6 57.8 58.3 58.3 58.3 58.3 58.3 58.3 58.3 58.3 58.3 63.9 £3.1 63.4 63.9 63.9 63.9 63.9 63.9 63.9 63.9 63.9 5 **. .** . . . 64.9 65.4 65.9 65.9 55.9 65.9 65.9 65.9 65.9 65.9 65..9 3. Li 73.2 73.7 74.3 74.3 74.3 74.3 74.3 74.3 74.3 74.3 74.3 5. 2 75.3 75.9 76.7 76.7 76.7 76.7 76.7 76.7 76.7 76.7 76.7 1.13 80.4 81.7 82.4 82.4 82.4 82.4 82.4 82.4 82.4 82.4 82.4 5 82.6 83.9 84.6 84.6 84.6 84.6 84.6 84.6 84.5 84.6 84.6 87.5 88.9 89.7 89.7 89.7 89.7 89.7 89.7 89.7 89.7 89..7 · 1 o 93.6 92.1 94.6 94.6 94.6 94.6 94,6 94.6 94.6 94.6 - 94.6 -3 93.3 95.0 96.5 96.5 96,5 96.5 96.5 96.5 96.5 96.5 96.5 • 4 9 96.6 93.4 95.1 96.6 96.6 96.6 96.6 96:•6 96.6 96.6 96.6 94.1 97.4 6 96.0 97.4 97.4 97.4 97.4 97.4 97.4 97.4 97.4 . 46 98.7 98.7 95.1 97.1 98.7 98.7 98.7 98-•7 98.7 98.7 98.7 1.66 95.1 97.1 98.8 98.8 98.8 98.9 98.9 98.9 98.9 98.9 98.9 95.1 97.2 99.4 99.4 99.5 99.6 99.6 99.6 99.6 99.6 99.6 95.2 97.3 99.5 99.5 99-•8 99.6 99.8 99.8 99.8 99.8 99.8 · · · 7 99.8 95.2 97.3 99.6 99.9 100.0 100.0 100.0 100.0 100.0 100.0 95.2 99.6 99.8 99.9 97.3 100.0 100.0 100.0 100.0 100.0 100.0 . 67 95.2 97.3 99.6 99.8 99.9 100.0 100.0 100.0 100.0 100.0 100.0 99.6 99.8 99.9 100.0 100.0 100.0 100.0 100.0 97.3 95.2

C E I FE	LING   N   ET	GT 160	GE 90	GE 80	GE 60	GE 48	GE 4 O	ISIBILI GE 32	GE 24
N C	CEIL	3.3	28.9	30.0	31.8	32.0	32.0	32.0	32.0
6 E 6 E	200 00   18 0 00   16 0 00   14 0 00   12 0 00	5.7 5.7 5.7 5.7 5.7	36.5 36.6 36.9 37.4 38.3	37.8 38.0 38.2 38.7 40.0	39.8 39.9 40.1 40.6 42.0	40.3 40.4 40.6 41.1 42.4	40.3 46.4 40.6 41.1 42.4	40.4 40.5 40.7 41.2 42.6	40.4 40.5 40.7 41.2 42.6
GE GE GE	100 00   90 00   80 00   70 00   60 00	6.0 6.0 6.0 6.0	42.2 44.0 49.9 51.8 53.1	43.9 45.7 51.8 53.6 54.9	45.8 47.9 53.9 55.7 57.2	46.3 48.4 54.4 56.2 57.7	46.3 48.4 54.4 56.2 57.7	46.4 48.5 54.5 56.3 57.8	46.4 48.5 54.5 56.3 57.8
6 E 6 E 6 E	5000   4500   4000   3500   3000	6-8 7-1 7-5 7-7 8-1	58.4 60.0 64.3 67.1 72.9	60.3 61.9 66.5 69.3 75.6	63 · 1 64 · 7 69 · 4 72 · 2 79 · 1	63.6 65.2 69.9 72.7 79.8	63.7 65.3 70.0 72.8 79.9	63.8 65.4 70.4 73.2 80.5	64.1 65.7 70.6 73.4 80.8
C E G E G E G E	2500   2000   1300   1500   1200	8.6 8.8 8.9 9.3	74.0 76.5 77.4 86.4 82.8	76.9 79.6 80.4 83.6 86.3	80.7 84.3 85.1 88.6 91.5	81.4 85.1 86.0 89.7 92.7	81.5 85.4 86.2 90.4 93.5	82.1 86.0 86.8 91.1 94.3	82.3 86.5 87.3 91.7 95.0
GE GE GE	1000   900   800   700   600	9.3 9.4 9.4 9.4 9.4	83.3 83.8 84.6 84.6 84.6	86.9 87.4 88.3 88.3	92.3 92.7 93.8 94.2 94.2	94.3 94.9 96.0 96.4 96.4	95.0 95.6 96.7 97.1 97.2	95.9 96.5 97.6 98.1 98.2	97.0 97.7 98.8 99.3 99.4
G E G E	500   400   300   200   100	9.4 9.4 9.4	84.8 84.8 84.8 84.8 84.8	88.4 88.4 88.4	94 • 3 94 • 3 94 • 3	96•5 96•5 96•5	97.3 97.3 97.3	98 • 3 98 • 3 98 • 3	99.5 99.5
			S4.8						

### QUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

١			HUNDRED:					•••••			
	GE	GΕ	GE	GE		GE			GE	GE	
	3 2	24		16		10	8	5	4	0	
	• • • • • •	• • • • • • • •	• • • • • •	• • • • • •			• • • • • •	• • • • • •	**** * * * * *	• • • • • • • •	• •
	32.0	32.0	32.0	32.0	32.0	72 -	3 n O	ח כל	32.0	32.0	
	32.0	32.0	32.0	22.0	22.0	32.0	35.0	32.0	32.0	32.0	
	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	
	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	
	40.7	40-7	40.7	40 • 7	40.7	40.7	40.7	40.7	40.7	40.7	
	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	
	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	4-2.6	42.6	
	h.c. h	h.c. h	6.6 b	b ( b	11.7 15	n.c. 6	11.6	0.C D	11.6	<i>ti C</i> 10	
	46.•4 48-•5	46.4 48.5	46.4 48.5	46 • 4 48 • 5	46.•4 48•5	46 • 4 48 • 5	46.4 48.5	46.4 48.5	46.4 48.5	4.6 • 4 4-8 • 5	
	54.5	54.5	40.5 54.5	54.5	54-5	54 • 5	54 • 5-	54.5	54.5	54.5	
	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	
	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	56·3 57·8	57.8	
	3,.0	31.0	3110	3110	3.40	3110	37.0	3, 10	J 1 • 0	37.60	
	63.8	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	
	65.4	65.7	65.7	65.7	65.47	65 • 7	65.7	65 • 7	65.7	65.7	
	70.4	70.6	70.6	70.6	70.6	70.6	70.6	70.46	70.6	70.6	
	73.2	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	
	80.5	30.8	8.0.8	8 • 08	80.8	8.0.8	80.8	80.8	8.08	80.8	
	82.1	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	8-2 • 3	
	86.0	86.5	86.6	86.6	86.6	86.s	86.6	86.6	86.6	86.6	
	86.8	87.3	87.4	87-4	87.4	87.4	87.4	87.4	87.4	87.4	
	91.1	9:1 • 7	91.8	91.9	9.1.9	91.9	91.9	91.9	91.9	91.9	
	94.3	95.0	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	
	7 1 4 3	· 5• G	73.42	,3 • 3	,5,5	, 5 , 5	/3.3	73.3	,,,,	75.5	
	95.9	97.0	97.1	97.3	97.3	97.3	97.3	97.3	97.3	9.7 • 3	
	96.5	97.7	97.8	98.1	981	98.1	98.1	98.1	98.1	98.1	
	97.6	98.8	98.9	99.2	99.3	99.3	99.3	99.3	99.3	99.3	
	98.1	993	99.4	99.6	99-•8	99.8	99.8	99.8	99-8	99.8	
	9.8 • 2	99.4	99.5	99.8	99.9	99.9	99•9	99.9	99.9	99.9	
	98.2	99.4	99.5	99.8	9.9 . 9	99.9	99.9	99.9	99.9	99-•9	
	98.3	99.5	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	
	98.3	99.5	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	
	983	9-9 • 5	996	99.9	100.0	100.0	100.0	100.0	100.0	100.0	
	98.3	99.5	9.9 • 6	99.9	160.0	100.0	100.0	100.0	100.0	100.0	
			.,,,,	. • •	100.40	10010	100.0	10000	100.0	10010	
	98.43	99.5	99-•6	9.9.9	100.0	100.0	100.0	100.0	100.0	100.0	
•		7-6 6 6-6 6-6	· · · · · · · ·								• •

			<b></b> .		<b></b>					
CEI	LING	• • • • • •	• • • • • • •	••••		• • • • • • •	,	/ISIBILI	TY IN	Hunt
I		GT	GE	GE	65	GE	GE	GE	GΕ	1
FE	•	160		80	60	48	40	32	24	
							_			
										-
N 0	CEIL	• 3	37.3	38.0	39.5	40.0	40 • . 2	40.8	40.8	4 :
,	200001	,	11 O O		. 7 7	# <b>7</b> 0	#7 C	44.5	44.7	41
	20000	. 3	40.8	41.6	43.3	43.8	43.9 43.9	44.5	44.7	4.
	18000  16000	• 3 • 3	40.8 41.1	41.6 41.9	43.3 43.6	43.8 44.1	44.2	44.8	45.0	41
<b>*</b>	140001	• 3	41.3	42.0	43.8	44.2	44.4	45.0	45.2	4 :
	12000	• 3	41.9	42.7	44.4	44.8	45.0	45.6	45.8	4 '
O &	12, (.0.)	• 3	71.9				1000		, , , ,	•
GΕ	100001	. 3	47.0	47.8	49.5	50.0	50.2	50.8	50.9	5 :
ΰE	90001	. 3	49.4	50.2	51.9	52.3	52.5	53.1	53 • 3	5.
GΕ	10008	. 3	56.1	50.9	58 • 6	59.1	59.2	59.8	60.0	6 -
GE	7000	. 3	58.1	58.9	60.8	61.3	61.4	62.0	62.2	6
GΕ	60001	• 3	58.3	57.1	60.9	61.4	61.6	62.2	62.3	6;
GE	5000 l	. 3	61.7	62.5	64.5	65.0	65.2	65.8	65.9	6
GE	4500	.3	63.8	64.5	66 • 6	67.0	67.2	67.8	68.0	6.
6 2	40001	• 3	67.3	68 - 1	70.2	70.6	70.8	7-1 - 4	71.6	7=
GE	3500	.3	69.2	70.0	72.2	72.7	72.8	73.4	73.6	7
GE	3000 i	. 5	74.1	74.8	77.5	78.0	78.1	79.1	79.2	7 ·
		_							_	
GE	2500	• 5	75.8	76.6	79.2	79.7	8G•_2	8-1 - 1	81.3	8
GE	5000	• 5	78.9	8C.C	83.3	83.9	84.4	85.8	85.9	8:
GE	18 00	• 5	79.4	80.5	83.8	84.4	84.8	86.3	86.4 90.5	8≀ 9.
GE	1007	• 5	82.3	83.6	87.3	0.88	38.8	90.2 94.4	94.7	9 i
GE	1200	. 5	35.3	86.6	90.9	92.2	93.0	94 • 4	94 • 1	-
G E	10601	. 5	86.3	87.5	91.9	93.1	·93 <b>.</b> 9	95.3	95.6	9 (
GE	900	, 5	86.3	87.5	92.0	93.3	94.1	95.5	95.8	9 ≀
GE	1003	. 5	86.9	88.1	93.0	94.2	95.0	96.4	96.7	9.
GΕ	7061	. 5	87.3	88.6	93.4	94.7	95•5	96 • 9	97.2	9_
GΕ	6 00-1	. 5	87.7	88.9	93.9	95.2	95.9	97.3	97.7	9.
GE	5001	• 5	97.7	88.9	94.1	95.3	96.1	97.5	97.8	9
6 E	400	• 5	88.0					98.3		9
GE	300	.5			94.7			98.3		9.
GE	2001	. 5			94.7			98.3		9.4
GE	1001	.5						983		9.∢
~ ~		• •	55.0	0 / 4 4	- • • •					
GE	01		88.0							9'
			p e- e e e a-e- e			6× 6 6 6 6 8				• • • •

TOTAL NUMBER OF OBSERVATIONS: 640

(

ORE	) UK					OF RECO		-76,7°-		100	
• • •					• • • • •						
٧			HUNDREDS	OF ME	TERS		· - •				-
• • • • V	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	
C	32	24	20	16	12	10	8	5	4	0	
• • •				• • • • • •		• • • • • • • •		• • • • • • •			
2	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	
					_	-					
9 9 2 4 0	44.5	44.7	44.7	447	44.7	44.7	44.7	44:• 7	44.7	44.7	
9	44.5	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	
2	44.8	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45 • n	45.0	
4	45.0	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	
	45.6	45.8	4-5 • 8	45.8	45.8	45.8	45 8	45.8	45.8	45.8	
								•	•	- •	
2	50.8	50.9	50.9	50.9	50.9	50.9	50.9	5Ó.9	50.9	50.9	
-5	53.1	53 • 3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	
2 5 2 4 6	59.8	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60•n	
4	62.0	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	
6	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	
										- Z <del>-</del> J	
2	65.8	65.9	65.9	65.9	65.9	65,9	659	65.9	65.9	65.9	
2	67.8	68.0	68.D	68.0	68.0	68.0	68.0	68.0	68.0	68.g	
Ď	71.4	71.6	71.6	71.6	71.6	71.6	7.1 • 6	71.6	71.6	7.1 • 6	
8	73.4	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.•6	
2 8 8	79.1	79.2	79.2	79.2	79-2	79.2	79.2	79.2	79.2	79:•2	
						_			<b>V I</b>	* * * * **	
2 4 8	81.1	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	
4	85.8	95.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	
8	86.3	86.4	86.4	86.4	86-4	86.4	86.4	86.4	86.4	86.4	
ક	90-2	90.5	90.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6	
8 0 9 1 0	94.4	94.7	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	
		=									
9	95.3	95.6	96.1	96.3	96.3	96.3	96.3	96.3	96.3	96:∙3	
1	95.5	95.8	96.3			96.7	96.7				
Ú	96.4	96.7				97.7					
5	96.9	97.2	97.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3	
9	97.3	97.7		98 • 8	98.8	98.8	98.8	989	98.9	98.9	
			-	· - · <del>•</del>				. 5.4 /	, 5 • /	, , ,	
1	97.5	97.8	98.3	99.1	99.1	99.1	99.1	99.•2	99•2	99•2	
9	98.3	98.6		998	99.8	99.8	99.8	100.0	100.0	100.0	
9	98.3	98.6	-	99 •-8	998	99.8	99.8	100.0	100.0	100.0	
ų	98.3	98.6	_	-	99.8	99.8	99. g	100.0	100.0	100.0	
9	98.3	98.6			99.8	99.8	99.8	100.0	100.0	100.0	
		-	· • •		• • •	.,,,	1-5 80	19010	100.0	T-n n • n	
9	98.3	98.6	99.1	99. 8	99.8	99.8	99.8	100.0	100.0	100.0	
	4-4 4 4 4									± α ή.∗ α	

USAFETAC AIR WEATHER SERVICE/MAC

C

(

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBS

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

	•••••		• • • • • • • •							
CEI	LING		4.4 4 4					VISIBILI	TY IN H	-UN D
I	N I	GT	GE	GE	GE	GE	GE	GE	GE	Ġ
FE	ET	160		80	6 g	48		32	24	-
		• • • • •			• • • • • • •		• • • • •	• • • • • • •	• • • • • •	• • •
AL D	CCTI /	1 7	70 /	70 6	11.1 m	11.2 G	02 7	43.2	4-3-• 5	43
14.6	CEIL	1.3	38.4	38.6	41.0	42.6	42.7	43.2	43-43	43
G E	200001	1.3	41.9	42 •:1	44.5	46.1	46.2	46.9	47.2	47
	18000	1.3	4-1 • 9	42.1	44.5	46.1	46.2	46.9	47.2	47
GΕ	160001	1.3	41.9	42.1	44.5	46.1	46.2	46.9	47.2	47
GE	140001	1.4	42.1	42.2	44 • 6	46.2	46.4	47.0	47.4	47
GE	120001	1.8	42.6	42.7	45.1	46.7	46.9	47.5	47 • 8	47
GE	10000	1.8	45.1	45.3	47.7	49.6	49.8	50.4	50.7	5 0
GE	90001	1.8	46.1	46.2	48.6	50.6	5g. 7	51.4	51.7	51
6 E	10008	1.8	52.2	52.3	54.7	56.6	56 • 8	57.4	57.8	57
GE	7000	1.8	54.4	54.6	57.0	58.9	5g• 0	59.7	60.0	60
6 E	6,001	1.8	54.7	54.9	57.3	59.2	59.4	6g.g	60.3	6 Ö
O L	00001	1.0	2101	34.47	3743	3772	374 1	∪ (, • t)	00.5	00
6 E	5000	1.8	57.4	57-8	60 • 3	62.2	62.4	63.0	63.4	63
GE	450C l	1.9	58 • 9	59.2	61.9	63.8	64. D	64.6	65.0	65
GE	4000-	1.9	62.9	63.5	66.2	68-2	68.3	69 • D	69.3	69
GE	35061	2.1	65.3	66.1	69.1	710	71.4	72.0	72.3	72
GΕ	30001	2.1	69.0	69.9	73.1	75.4	75.8	76.5	76.8	76
G E	2500	2.1	70.6	71.5	74.9	77.4	78.1	78.9	79.4	79
ĞΕ̈́	2000	2.2	74,4	75.4	79 • 2	82.2	83.0	84.0	84-5	8 4
GE	1800	2.2	74 • 4	75.4	79.2	82.2	83.0	84.0	84.5	84
GE	1500	2.6	75.5	76.5	80-5	83.5	84.3	85.3	85.8	8 5
GE	1200	2.6	78.1	79.0	83.8	87.0	87.8	89.1	89.6	89
٠ <u>ـ</u>	12001	2.00	, , , ,	,,,,	45.0	0.40	0,,0	0,41	3,10	0,
GE	100n	2.7	80.2	81.3	86.2	89.4	90.2	91.5	92.0	92
GE	900-	2.7	80.5	81.6	86.5	89.8	90.6	91.8	92.3	92
GE	1008	2.7	81.3	82.4	87.4	90.6	91.4	92.6	93.1	93
GE	700	2.7	82.4	83.5	88.6	92.0	92.8	94.1	94 • 6	94
GE	6.001	2.7	83.4	845	89-∙9	93.3	946	95.8	96.3	96
GE	500	2.7	83.4	84.5	90.2	93.6	94.9	962	96.6	97
GE	400		83.7		90.7	94.1	95.4			97
G-E	300		23.7		90.7	94.1	954	96.6		97
G E	2001	-	•	85.0		94.1	95.4			97
GE	100			85.0	90.7	94.1	95.4	96.6	97.3	97
UL	1001	۷.1	¢ 3.• .[	03.40	70 • 1	2711	/J#-7	,,,,,	/ 1 ¢ J	′ '
6 E	91	2.7	83.7	85.0	90.7	94.1	95.4	96 • 6	97.3	97
	- • • • • • •		4-1 - 1 - 1 - 1				• • • • •	• • • • • • • • • • • • • • • • • • • •		

# EIL ON EQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

)	FORD						OCT	HOURS (	LST1: 2	100-230	00
OF '		*- * * * * * * * * * * * * * * * * * *	* * * * * * * * * * * * * * * * * * *	UNDREDS	0- MC	• • • • • • • • • • • • • • • • • • •	• • • • • • •	• • • • • •	• • • • • • •	• • • • • •	
GE		GE	GE	GE 3	GE	GE	GE	GЕ	GE	GE	GE
14	ር ሲኖ	32	24		16	12	1.0	8	5	4	0
• • • (	10			20							
		• • • • • •		•••••							
43.	• 7	43.2	43.5	43.5	43.8	43.8	44.0	44.0	44.5	44.5	45.0
47• 47•5	. 2	46.9	47,2	47.2	47.5	47.5	47.7	47.7	48.2	48.2	486
H / • :	. 2	46.9	47.2	47.2	47.5	47.5	u7.7	47 • 7	48.2	48.2	48.6
47.°	- 2	46.9	47.2	47.2	47.5	47.5	47.7	47.7	48.2	48:•2	48 • 6
11.	. 4	47.0	47.4	47.4	47.7	47.7	47.8	47.8	48.3	48.3	48 8
18 • I	. 9	47.5	47 • 8	4.7 • 8	48.2	48.2	48.3	48.3	48.8	48-8	49.3
		91.45	7/40	41.0	1012	10.2	4003	1013	,000	,000	1703
51•l 52•{	. ĝ	50.4	50.7	50.7	51.0	51.0	51.2	51.2	51.7	517	52.2
52.1	7	51.4	51.7	51.7	52.0	52.0	52.2	52.2	52 • 6	52.6	53-•1
58 . :	. 0	57.4	57.8	57.8	58.1	58.1	58.2	58.2	58.7	58.7	59.2
50 <b>.</b> .	• G	59.7	60.0	60.0	60.3	6g•3	60.5	60.5	61.0	61.0	61.4
o <b>0 •</b> (	. 4	6c•0	60.3	60.3	60.6	60.6	60.8	60.8	61.3	61.3	618
		ս ը ը	00.3	50.3	00.0	00.40	00.0	00.0	01.5	01.5	01.00
3.7	h	63.0	63.4	63.4	63.7	63.7	63.8	63.8	64.3	64.3	648
55.	. 7	64.6	65.9	6.5.• B	65.3	65.3	65.4	6.5 • 4	65.9	65.9	66 • 4-
59.6	. 3	69.0	69.3	69.3	69.6	69.6	69.8	698	70.2	70.2	70.7
72.€	11	72.0	72.3	72.3	72.6	72.6	72.8	72.8	73.3	73.3	73.8
77.	• 7	76-•5	76.8	76.8	77.1	77.1	77.3	77.3	77.8	77.8	78.2
		10-43	10.0	10.0	1 / 4 1	11.1	11.5	, , , ,	7,40	11.0	70.2
79.1	. 1	78.9	79.4	79.4	79.7	79.7	79.8	79.8	80.3	80.3	80.8
34 . 2	- 0	84.0	84.5	84.5	84.8	84.8	85.0	85.0	85.4	85.4	85.9
34 • 8	n	84.0	84.5	84.5	84.8	84.8	85.g	85.0	85.4	85.4	85.9
36 •	. 3	85.3	85.8	85.8	86 • 1	86.1	86.2	862	86.7	86.7	87.2
39.5	. š	89.1	89.6	89.6	89.9	89.9	90.1	90.1	90.6	90.6	91.0
		0711	0,10	0,10	0,,,	0,.,	7011	70 • 1	,0.0	,0.0	,1.0
92.5 93.1	. 2	91.5	92.0	92.2	92.5	92.5	92.6	92.6	93.1	93.1	93.6
13 . 1	. 6	91.8	92.3	92.5	93.3	93.3	93.4	93.4	93.9	93.9	94.4
94 - 1	. 4	92.6	93.1	93.3	94.1	94.1	94.2	94.2	94.7	94.7	95.2
75.	. 8	94.1	94.6	94.9	95.7	95.7	95 • 8	95 • 8	96.3	96.3	96.8
27.4	. 6	95.8	96.3	96.6	97.4	97.4	97.6	97.6	98.1	98.1	98.6
		,,,,	70.5	70.0	<i>,</i> , ,	7187	,, , o	71.0	70.4	70.1	, o • o
37.8	. 0	96.2	96.6	97.0	97.8	97 <b>.</b> 8	97.9	97.9	984	98.4	98.9
78 • 2		9.6 • 6	97.1	97.4	98.2	98.2	98.4	98.4	989	98.9	99.4
?8·2	. 4	96.6	97.1	97.4	98.2	98 • 4	98 • 6	98.6	99.0	99•n	99.7
78.2	- 4	96.6	97.1	97.4	982	98.4	98.6	98.6	99 • D	9-9 • 0	9-9-•-8
38•4	. 4	96-•6	97.3	97.6	98.4	98.6	987	98.7	99.2	992	100.0
		, 5 , 6	, , <b>,</b> ,	, , , ,	7017	70.0	/ U- • 1	/ 🗸 🐧	// • 6	11-12	10010
78 • 4 • • • •	. 4	96.•6	97:+3	97.6	98.4	98-•6	98.7	98.7	99.2	99•2	1'00.0
	• • • •	• • • • •			• • • • •	• • • • • • • • • • • • • • • • • • •	• • • • • •	*** * * * * * * *		• • • • • •	

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SÉRVICE/MAC PERCENTAGE FREQUENCY OF OCCURRENCE OF CEI FROM HOURLY OBSERVATIO

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

]	LING IN   ET	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	VISIBIL: GE 32	ITY IN GE 24	HUNDREDS GE 20
ИС	CEIL	1.9	28.8	29.6	31.5	32.4	32.7	33.0	3.3 • 4	33.4
G E G E	20000  18000  16000  14000  12000	2.6 2.6 2.6 2.7 3.0	73.0 33.1 73.2 33.4 34.4	33.9 34.0 34.0 34.3	36.0 36.1 36.1 36.3 37.6	37.0 37.1 37.1 37.4 38.6	37. 3 37. 4 37. 5 37. 7 39. 0	37.8 37.9 37.9 38.2 39.5	38.2 38.3 38.3 38.5 39.8	38-2 38-3 38-4 38-6 39-9
6 E 6 E 6 E	10000  9000  8000  7000  6000	3.0 3.1 3.1 3.1 3.3	37.4 38.4 43.1 44.5 45.1	38.4 39.4 44.2 45.6 46.2	40.6 41.7 46.6 48.0 48.9	41.8 42.9 47.8 49.2 50.1	42.2 43.3 48.1 49.6 50.4	42.7 43.8 48.7 50.2 51.1	43.0 44.2 49.1 50.6 51.5	43.1 44.3 49.2 50.7 51.6
6 E 6 E 6 E	5000   4500   4600   3500   3000	3.6 3.7 4.0 4.2 4.5	48.7 50.7 54.3 56.2 60.7	49.8 51.9 55.6 57.6 62.4	52.8 55.1 59.0 61.2 66.6	54.1 56.4 60.5 62.8 68.4	54.5 56.9 60.9 63.3 69.0	55.2 57.6 61.7 64.1 69.9	55.7 58.1 62.2 64.7 70.6	55.8 58.2 62.4 64.8 70.8
6 E 6 E 6 E 6 E	25 CO   20 00   18 00   15 00   12 00	4.8 5.2 5.4 5.7 5.9	62.7 66.2 66.8 69.4 71.9	64.4 68.1 68.8 71.5 74.1	68.7 72.9 73.7 77.0 80.0	70.7 75.2 76.0 79.5 82.6	71.5 76.2 77.1 80.6 83.8	72.5 77.4 78.3 81.9 85.3	73.3 78.4 79.2 83.0 86.5	73.5 78.7 79.5 83.2 86.8
GE GE GE	1000- 900  800  700  600	6.0 6.0 6.0 6.0	73.40 73.7 74.4 75.0 75.4	75.3 76.1 77.8 77.6 78.0	81 · 4 82 , 2 83 · 3 84 · 2 84 · 7	84.2 85.2 86.3 87.3	85.5 86.4 87.7 88.6 89.5	87.0 88.0 89.3 90.4 91.2	88.5 89.5 90.8 92.0 92.9	88.8 89.8 91.2 92.4 93.3
G E G E G E	500  400  300  200  100	6.0 6.0 6.0 6.0		78.3	85 • 1 85 • 2 85 • 2	88.1 88.4 88.5 88.6	90.1 90.2			93.7 94.7 94. 94.
G E	01	60						92.1		94.

ICTAL NUMBER OF OBSERVATIONS:

### FROM HOURLY OBSERVATIONS

7-

AF	FA IRFOR	D UK				PERIOD MONTHS	OF RECO	RD: 75-		36 All	
			* * * *-* * * * T-T V T A: }						• • • • • •	• • • • • •	• • • • • • •
	GE	6Ε Λ12183Γ'	GE	IUN DREDS GE	GE GE	GE	GE	GE	GE	GE	GE
E 48	40	32	24	20	1-6	12	10	8	5	4	0
F				. 1:4-1 1-1 1:1:		.1 4		• • • • •			
1								• , • • • •			
4	32.7	33.0	33.4	33.4	33.7	33.8	33.8	33.9	34.4	34.7	35.2
. C	37.3	37.8	38 . 2	38-₄2	385	38 •-6	38.6	38.7	394	39.7	40.2
	37.4	37.9	38.3	38.3	38.6	38.7	38 • 7	38-∙8	39.5	39.8	40.3
, i	375	37.9	38.3	38.4	38.7	38.7	38.8	38.9	39.6	39.8	40-4
. 4	377	38.2	38.5	38-6	38.9	38.9	39.0	39.1	39.8	40.1	40_6
1.	39. C	39.5	39.8	39.9	40.2	40.3	40.3	40.4	41.2	41.4	42.0
.6	374 6	32.5	29.0	37.7	7012	4 C \$-3	70.3	70 • 7	7116	7 4.7 1	. 2.00
- ~	42.2	42.7	43.0	43.1	43.4	43.5	43.6	4:3:•:7	44.4	447	45-•2-
Ģ	43.3	-438	44.2	44.3	44.6	44.7	44.7	44.8	45.•-6-	4.5 • 8	46:•4
g	48.1	48-•7	4-9 - 1	49.2	49.5	4-96	49.6	4.9 -8	50.6	50.9	51.4
7	496	50.2	50 • 6	50.7	51.0	51.1	51.2	513	52.1	52.4	$5\bar{3}.0$
8 9 9 Z 1	50.4	51.1	51.5	5.16	51.9	52.0	52.1	5.2 • 2	53 · n	533	5 3 - 9
[ -			****	2,440							-
1	54.5	55.2	55.7	55.8	56 • 1	56-2	56.3	564	57:• 3	57.6	5-8 • 2
. 4	56.9	57.6	58.1	58.2	58 • 6	58.6	58.7	58 • 9	59.7	6.0 • 0	60.6
3	6G+9	61.7	62.2	62.4	62.7	62.8	62.9	6-3-• 1	63.9	64-2	-64-•8
Ŝ	63.3	64.1	64 • 7	64.•.8	65.2	65.3	65 • 4	65.5	6.6.3	66.7	67.2
4	69 <b>.</b> 0	69.9	70.6	70.8	71.2	7-1 - 2	71.4	71.6	7.2.4	72.7	73.3
7	71.5	72.5	7:3 . 3	73.5	739	7-40	74.1	74.3	75.1	75.5	76.•1 <sup>-</sup>
2 3 5	76.2	77.4	78.4	787	79.1	79.2	79.4	79.5	80.4	80.7	8-1 • 3
5	77.1	78.3	79.2	79.5	79.9	8 D • D	80.2	80.4	812	81.6	8-2 - 2
5	80.6	81.9	83.0	8 3. 2	83.7	83.8	84.0	84 - 1	85.0	85.3	85.9
6	83.8	85.3	86.5	86.8	87.3	87.4	87.5	87.7	88.6	88.9	89.5
2 ? 3	05.0	0 5:15	00.0.0	00.0	٠. <b></b> .	V 1 .	0.19	0-1-4-1	0000		
2	85• 5	87.0	88.5	88.8	89.4	89.5	89.7	89 • 9	90.8	9-1.,2	9-18
?	86.4	0.88	89.5	8-98	90.5	90.6	90 •8	91.0	91.9	92.3	9.2 • 9
	b7•7	89.3	90.8	9-12	91.8	92.0	92 • 2	92.4	93.3	93.7	943
3	886	90.4	92.0	92.4	93.1	93.•2	93.4	93.6	94.5	94.9	-95.5
9	89-∙₋5	91.2	92.9	93.3	94.0	94.2	943	94.5	95•5	95-∙8	96.5
1	89.• 7	91.5	93 → 3	9:3:•-7:	94.6	94 -8	95.0	95-•-1	96.1	96.5	97.1
4	90.0	91.9	93.8	9-42	95.1	95.4	95:•-6	95 • 8	96.7	971	97.48
5	90.1	92.0	94.0	94.5	95.4	95.7	95.9	96.3	97.3	97.7	9.8 • 4
6	90.2	92.1	94.2	94.7	95.6	96.0	96.2.	96.5	97.6	98 • 1	99.3
6	90.2	92.1	94.2	94.7	95.7	96.1	96.3	96.6	97.8	98.4	99.7
		: <del>-</del>					-	=		- •	-
6	90.2	92.1	942	94.7		9.6.•1	96.3		97.9		100.0
1	, <b>, , , , , , , , , , , , , , , , , , </b>	<del>=</del> 1-1-0 0 <sub>0 0</sub> .		) = 0		176a0 F40 0 0	<b>7.0 0:0:0 5 0</b> -0		#***### #*# 1	w- #2#/# #-# <u>#</u>	, e e e e e e e e e e
}				-		-					
1											
1		-					-				
<b>T</b> -											

AIR WEATHER SERVICE/MAC

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

	LING			•••••			1	ISIBILI	TY IN F	UN
	N I	GT	GE	GE	GE	GE	GE		GE	-1
	ET I		90						24	
					• • • • • • •					• •
NC	CEIL	40	24.1	24.7	26.3	26.9	27.2	27.7	28.0	2:
GE	200001	4.5	26.1	27.0	29.2	30.1	30.4	31.0	31.4	3%
	18000	4.5	26.1	27.0	29.2	30.1	30.4	31.0	31.4	3:
	160001	4 • 6	26.2	27.2	29.3	30.3	30.5	31.1	31.5	3.
G-E	140001	4.7	26.3	27.3	29 • 4	30.5	30.8	31.4	31.8	3;
GΕ	12000	4.7	26.4	27.4	29.5	30.6	31.1	31.8	32.1	37
س ہر	100001	r 0	27.0	20.0	71 0	70 1	70 /	27 7	27 /	3 i
G E G E	10000  9000	5.2 5.2	27.9 28.4	28.9 29.4	31.0 31.5	32.1 32.6	32.6 33.1	33.3 33.7	33.6 34.1	31
6 E	80001	5.2		32.8	34.9	36.0	36.6	37.6	38.0	3 {
GE	7000-	5.3	3 <sub>1.8</sub> 33.0	34.1	366	37 • · 7	38 • 3		39 <sub>*</sub> 7	4(
G E	6000-	5.5	33.7	34.9	37.3	38.5	39.1	4.0.1	40 • 4	
GE	00001	3.3	23 <b>1</b>	34.7	21.0	2013	27.1	4.0 . 1	4U + 4	4 1
GE	50001	6.0	36.7	37.8	40.4	41.7	42.6	43.5	44.0	цĹ
GE	4500	6.6	40.1	41.2	44.0	45.4	46.3	47.3	47.9	4 8
GE	4000	7.2	44.4	45.7	48.5	50 • 4		52.5	53.2	54
6 E	3500	7.6	49.1	50.4	53.5	55.3	56.5		58.3	5 9
GE	30001	8.9	55.6	56.9	60.2	62.2	63.3	64.3	65.6	6 6
	•				_					
GΕ	25 OC	9.3	57.1	58 • 6	62.2	64.3	65.6	66.6	68.0	69
GE	20001	1.3.4	61.3	62.8	66 • 5	68.6	70.0	71.3	73.0	74
GE	1800	10.7	62.5	64.1	67.9	70.0	71,5	73.1	74-• 7	75
GE	1500	10.9	65.8	67.5	72.0	74.2	75.7	77.3	78.9	8 C
GE	12001	10.9	67.6	69.5	74.1	76.3	78.0	79.7	81.3	82
	.5001			<b>.</b>			70.0	30.0	00 5	o #
GE	1500		68.5	70.5	75 • 1	77.3	79.0	80.9		83
GE	9001			71.5	76.1	78.3		81.9		85
GE	1003		70.0	72.2	77.G	79.3	81.0	83.3		86
GE	700		70.6	72.8	77.9	80.1	81.9	84.2	86.4	87
GE	6 00 1	11.0	71.1	73.4	78.5	80.9	02.0	85.0	8-1 + 1	88
GE	£ 00.1	11.0	71.2	73.8	79.2	82.0	83.7	86.2	88 3	89
GE	•	11.0	71.3	73.9		82.8	84.5	87.0		90
GE	3001			73.9		83.0		87.2		90
GE		11.0		73.9				87.6		90
GE		11.C		73.9	80.0			8-7.7		91
GE			71.3					87.7		9.1
	0-0 dc 0 0-6			2 0-7 2 4 -1					• • • • • • •	• • • €

### PENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

32         24         20         16         12         10         8         5         4         0           27.7         28.0         28.5         29.2         29.4         29.5         29.8         30.0         30.5         32.8           31.0         31.4         31.9         32.5         32.8         32.9         33.1         33.4         33.9         36.1           31.1         31.5         32.0         32.6         32.9         33.0         33.3         33.5         34.0         36.2           31.4         31.6         32.3         32.9         33.1         33.5         34.0         36.2           31.8         32.1         32.6         33.3         33.5         33.7         34.2         36.5           31.8         32.1         32.6         33.3         33.5         34.1         34.6         36.2           33.3         33.4         33.6         33.3         33.5         34.1         34.6         36.5           31.8         32.1         34.6         35.2         35.5         35.6         35.9         36.1         36.6         38.8           33.7         34.1         34.6         39.2 </th <th>Ι</th> <th>SIBIL</th> <th>ITY IN F</th> <th>UNDREDS</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th>	Ι	SIBIL	ITY IN F	UNDREDS								
27.7 28.0 28.5 29.2 29.4 29.5 29.8 30.0 50.5 32.8  31.0 31.4 31.9 32.5 32.8 32.9 33.1 33.4 33.9 36.1  31.1 31.5 32.0 32.6 32.9 33.0 33.3 33.5 34.0 36.2  31.8 32.1 32.6 33.3 33.5 33.6 33.9 34.1 34.6 36.8  33.3 33.6 34.1 34.7 35.0 35.6 35.9 36.1 34.2 36.5  31.8 32.1 32.6 33.3 33.5 33.6 33.9 34.1 34.6 36.8  33.3 33.6 34.1 34.7 35.0 35.6 35.9 36.1 36.6 38.8 37.7 34.1 34.6 35.2 35.5 35.6 35.9 36.1 36.6 38.8 37.6 38.0 38.6 39.2 39.5 39.6 39.8 40.2 40.7 42.9 39.3 39.7 40.3 40.9 41.2 41.3 41.6 41.9 42.4 44.7 40.1 40.4 41.1 41.7 41.9 42.1 42.3 42.7 43.2 45.4  43.5 44.0 44.9 45.5 45.8 45.9 46.2 46.5 47.0 49.3 45.4 47.9 42.1 42.3 42.7 43.2 45.4  43.5 44.0 44.9 49.6 49.9 50.0 50.2 50.6 51.1 53.3 52.5 53.2 54.2 55.0 55.2 55.3 55.6 68.7 69.2 71.5 66.6 58.8 57.4 58.3 59.3 60.2 60.4 60.5 60.8 61.3 61.8 64.0 64.3 65.6 66.7 67.6 67.9 68.0 68.2 68.7 69.2 71.5 66.6 58.8 67.3 73.1 74.7 75.8 76.8 77.0 77.2 77.4 77.9 78.4 60.6 77.3 78.9 80.0 81.4 81.6 81.8 82.0 82.5 83.0 82.4 83.7 84.0 84.1 84.4 84.9 85.4 87.6 88.2 88.5 88.6 89.3 89.3 90.8 91.3 90.8 93.1 88.0 89.2 89.5 89.6 88.8 89.3 89.8 92.1 88.2 88.5 88.6 88.8 89.3 89.8 92.1 88.2 88.5 88.6 88.8 89.3 89.8 92.1 88.2 88.5 88.6 88.8 89.3 89.8 92.1 88.2 88.5 88.6 88.8 89.3 89.8 92.1 88.2 88.5 88.6 88.8 89.3 89.8 92.1 88.2 88.5 88.6 88.8 89.3 89.8 92.1 88.2 88.5 88.6 88.8 89.3 89.8 92.1 88.2 88.5 89.6 88.8 89.3 89.8 92.1 88.2 88.5 89.6 88.8 89.3 89.8 92.1 88.2 88.5 89.6 88.8 89.3 89.8 92.1 88.2 88.5 88.6 88.8 89.3 89.8 92.1 89.3 89.6 92.8 89.5 89.6 89.8 90.3 90.8 93.1 85.0 87.1 88.3 90.1 90.4 90.6 90.8 91.3 91.8 94.0 88.2 88.5 89.6 89.8 90.3 90.8 93.1 85.0 87.1 88.3 90.1 90.4 90.6 90.8 91.3 91.8 94.0 88.2 88.5 89.6 89.8 90.3 90.8 93.1 87.7 87.9 90.1 91.4 93.8 94.3 94.4 94.9 95.9 96.5 99.1		GE						GΕ		GE	GE	
27.7 28.0 28.5 29.2 29.4 29.5 29.8 30.0 30.5 32.8  31.0 31.4 31.9 32.5 32.8 32.9 33.1 33.4 33.9 36.1 31.0 31.4 31.9 32.5 32.8 32.9 33.1 33.4 33.9 36.1 31.1 31.5 32.0 32.6 32.9 33.0 33.3 33.5 34.0 36.2 31.4 31.8 32.3 32.6 32.9 33.1 33.3 33.5 34.0 36.2 31.4 31.8 32.1 32.6 33.3 33.5 33.5 33.7 34.2 36.5 31.8 32.1 32.6 33.3 33.5 33.5 33.7 34.2 36.5 31.8 32.1 32.6 33.3 33.5 33.6 33.9 34.1 34.6 36.8 33.7 34.1 34.6 36.8 33.7 34.1 34.6 36.8 33.7 34.1 34.6 36.8 33.7 34.1 34.6 36.8 33.7 34.1 34.6 36.8 33.7 34.1 34.6 36.8 35.2 35.5 35.6 35.9 36.1 36.6 38.8 37.6 38.0 38.6 39.2 39.5 39.6 39.8 40.2 40.7 42.9 39.3 39.7 40.3 40.9 41.2 41.3 41.6 41.9 42.4 44.7 44.7 40.1 40.4 41.1 41.7 41.9 42.1 42.3 42.7 42.7 42.7 42.9 48.9 49.6 49.9 50.0 50.2 50.6 51.1 53.3 55.7 45.2 55.2 54.2 55.0 55.2 55.3 55.6 56.1 56.6 58.8 57.4 58.3 59.3 60.2 60.8 61.3 61.8 64.0 64.3 65.6 66.7 67.6 67.9 68.0 68.2 68.7 69.2 71.5 66.6 68.0 69.1 70.0 70.2 70.3 70.6 71.1 71.6 73.8 73.0 74.1 75.1 75.3 75.4 75.7 76.2 76.7 78.9 73.1 74.7 75.8 76.8 77.0 77.2 77.4 77.9 78.4 80.6 77.3 78.9 80.0 81.4 81.6 81.8 82.0 82.5 83.0 85.2 79.7 81.3 82.4 83.7 84.0 84.1 84.4 84.9 85.4 87.6 88.1 90.3 89.8 90.3 90.8 93.1 85.0 87.1 88.3 90.1 90.4 90.6 90.8 91.3 91.8 94.0 88.2 88.3 89.6 91.7 90.9 93.3 99.5 90.8 93.1 85.0 87.1 88.3 90.1 90.4 90.6 90.8 91.3 91.8 94.0 86.2 88.3 89.6 91.7 90.9 93.3 93.9 94.4 96.7 87.2 89.3 90.6 92.8 93.5 89.6 89.8 90.3 90.8 93.1 85.0 87.1 88.3 90.1 90.4 90.6 90.8 91.3 91.8 94.0 86.2 88.3 89.6 91.7 90.9 93.3 93.9 94.4 96.7 87.2 89.3 90.6 92.8 93.5 93.0 93.3 93.9 94.4 96.7 87.2 89.3 90.6 92.8 93.2 93.3 93.8 94.3 94.9 95.9 96.5 99.1 87.7 90.1 91.4 93.8 94.3 94.4 94.9 95.9 96.5 99.1		32							5	4	0	
31.0 31.4 31.9 32.5 32.8 32.9 33.1 33.4 33.9 36.1 31.0 31.4 31.9 32.5 32.8 32.9 33.1 33.4 33.9 36.1 31.0 31.4 31.9 32.5 32.8 32.9 33.1 33.4 33.9 36.1 31.1 31.5 32.0 32.6 32.9 33.0 33.0 33.3 33.5 34.0 36.2 31.4 31.8 32.3 32.9 33.1 33.3 33.5 33.7 34.2 36.5 31.8 32.1 32.6 33.3 33.5 33.5 33.7 34.2 36.5 31.8 32.1 32.6 33.3 33.5 33.5 33.7 34.2 36.5 31.8 32.1 32.6 33.3 33.5 33.5 33.7 34.2 36.5 33.8 32.1 32.6 33.3 33.5 33.5 33.7 34.2 36.5 33.8 32.1 32.6 33.3 33.5 33.5 34.0 34.6 36.8 33.7 34.1 34.6 35.2 35.5 35.6 35.9 34.1 34.6 36.8 38.8 33.7 34.1 34.6 35.2 35.5 35.6 35.9 36.1 36.6 38.8 33.7 34.1 34.6 35.2 35.5 35.6 35.9 36.1 36.6 38.8 33.9 39.7 40.3 40.9 41.2 41.3 41.6 41.9 42.4 44.7 42.1 42.3 42.7 42.4 44.7 42.1 40.1 40.4 41.1 41.7 41.9 42.1 42.3 42.7 43.2 45.4 44.7 47.1 40.4 41.1 41.7 41.9 42.1 42.3 42.7 43.2 45.4 45.7 47.9 48.9 49.6 49.9 50.0 50.2 50.6 51.1 53.3 55.5 55.2 55.2 55.2 55.2 55.2 55.3 55.6 56.1 56.6 58.8 57.4 58.3 59.3 60.2 60.4 60.5 60.8 61.3 61.8 64.0 64.3 65.6 66.7 67.6 67.9 68.0 68.2 68.7 69.2 71.5 66.6 68.0 69.1 70.0 70.2 70.3 70.6 71.1 71.6 73.8 73.0 74.1 75.1 75.3 75.4 75.7 76.2 76.7 78.9 73.1 74.7 75.8 76.8 77.0 77.2 77.4 77.9 78.4 80.6 77.3 78.9 80.0 81.4 81.6 81.8 82.0 82.5 83.0 85.2 79.7 81.3 82.4 83.7 84.0 84.1 84.4 84.9 85.4 87.6 88.1 90.3 89.8 89.2 89.5 89.6 89.8 90.3 90.8 93.1 85.0 87.1 88.3 90.1 90.4 90.6 90.8 91.3 91.8 94.0 84.0 87.1 88.3 90.1 90.4 90.6 90.8 91.3 91.8 94.0 88.2 86.4 87.6 89.2 89.5 89.6 89.8 90.3 90.8 93.1 85.0 87.1 88.3 90.1 90.4 90.6 90.8 91.3 91.8 94.0 84.9 67.7 90.1 91.4 93.8 94.3 94.4 94.9 95.9 96.5 99.1	•				*.* * * * *			• • • • • • •				
31.0       31.4       31.9       32.5       32.8       32.9       33.1       33.4       33.9       36.1         31.1       31.5       32.0       32.6       32.9       33.1       33.3       33.5       34.0       36.5         31.4       31.8       32.3       32.9       33.1       33.3       33.5       33.7       34.2       36.5         31.8       32.1       32.6       33.3       33.5       33.9       34.1       34.6       36.8         33.7       34.1       34.6       35.2       35.5       35.6       35.9       36.1       36.6       38.8         37.6       38.0       38.6       39.2       39.5       39.6       39.8       40.2       40.7       42.9         39.3       39.7       40.3       40.9       41.2       44.3       34.6       41.9       42.4       44.7         40.1       40.4       41.7       41.9       42.1       42.3       42.7       43.2       45.4         40.1       40.4       44.9       45.5       45.8       45.9       46.2       46.5       47.0       49.3         47.3       47.9       48.9       49.6       49.9		27.7	28.0	28.5	29.2	29.4	29.5	29 • 8	30.0	30.5	32.8	
31.0       31.4       31.9       32.5       32.8       32.9       33.1       33.4       33.9       36.1         31.1       31.5       32.0       32.6       32.9       33.1       33.3       33.5       34.0       36.5         31.4       31.8       32.3       32.9       33.1       33.3       33.5       33.7       34.2       36.5         31.8       32.1       32.6       33.3       33.5       33.9       34.1       34.6       36.8         33.7       34.1       34.6       35.2       35.5       35.6       35.9       36.1       36.6       38.8         37.6       38.0       38.6       39.2       39.5       39.6       39.8       40.2       40.7       42.9         39.3       39.7       40.3       40.9       41.2       44.3       34.6       41.9       42.4       44.7         40.1       40.4       41.7       41.9       42.1       42.3       42.7       43.2       45.4         40.1       40.4       44.9       45.5       45.8       45.9       46.2       46.5       47.0       49.3         47.3       47.9       48.9       49.6       49.9		31.0	3-1 . 4	3 1 <sub>2</sub> 9	32.5	32.8	32.9	33.1	33.4	33.9	36.1	
31.1 31.5 32.0 32.6 32.9 33.0 33.3 33.5 34.0 36.2 31.4 31.8 32.1 32.6 33.3 32.9 33.1 33.3 33.5 34.0 36.5 31.8 32.1 32.6 33.3 33.5 33.6 33.7 34.1 34.6 36.8 33.3 33.5 33.6 33.7 34.1 34.6 36.8 33.3 33.5 33.6 33.9 34.1 34.6 36.8 33.3 33.6 33.9 34.1 34.6 36.8 33.3 33.6 33.9 34.1 34.6 36.8 38.8 33.7 34.1 34.6 35.2 35.5 35.6 35.9 36.1 36.6 38.8 37.6 38.0 38.6 39.2 39.5 39.6 39.8 40.2 40.7 42.9 39.3 39.7 40.3 40.9 41.2 41.3 41.6 41.9 42.4 44.7 40.1 40.4 41.1 41.7 41.9 42.1 42.3 42.7 43.2 45.4 44.7 47.7 40.1 40.4 41.1 41.7 41.9 42.1 42.3 42.7 43.2 45.4 44.7 47.7 47.9 48.9 49.6 49.9 50.0 50.2 50.6 51.1 53.3 52.5 53.2 54.2 55.0 55.2 55.3 55.6 56.1 56.6 58.8 57.4 58.3 59.3 60.2 60.4 60.5 60.8 61.3 61.8 64.0 64.3 65.6 66.7 67.6 67.9 68.0 68.2 68.7 69.2 71.5 66.6 68.0 69.1 70.0 70.2 70.3 70.6 71.1 71.6 73.8 71.3 73.0 74.1 75.1 75.3 75.4 75.7 76.2 76.7 78.9 73.1 74.7 75.8 76.8 77.0 77.2 77.4 77.9 78.4 60.6 77.3 78.9 80.0 81.4 81.6 81.8 82.0 82.5 83.0 85.2 79.7 81.3 82.4 83.7 84.0 84.1 84.4 84.9 85.4 87.6 88.1 83.7 84.0 84.1 84.4 84.9 85.4 87.6 88.2 88.5 88.6 88.8 89.3 89.8 92.1 84.2 86.4 87.6 89.2 89.5 89.6 89.8 90.3 90.8 93.1 85.0 87.1 88.3 90.1 90.4 90.6 90.8 91.3 91.8 94.0 86.7 87.0 89.1 90.3 92.6 92.9 93.1 93.3 93.9 94.5 95.0 95.5 98.1 87.7 90.1 91.4 93.8 94.3 94.4 94.9 95.9 96.5 99.1												
31.4 31.6 32.3 32.9 33.1 33.3 33.5 33.7 34.2 36.5 31.8 32.1 32.6 33.3 33.5 33.6 33.9 34.1 34.6 36.8 33.3 33.5 33.6 33.9 34.1 34.6 36.8 33.3 33.5 33.6 33.9 34.1 34.6 36.8 33.3 33.7 34.1 34.6 35.2 35.5 35.6 35.9 36.1 36.6 38.8 37.6 38.0 38.6 39.2 39.5 39.6 39.8 40.2 40.7 42.9 39.3 39.7 40.3 40.9 41.2 41.3 41.6 41.9 42.4 44.7 40.1 40.4 41.1 41.7 41.9 42.1 42.3 42.7 43.2 45.4 44.7 41.9 42.1 42.3 42.7 43.2 45.4 44.7 37.3 47.9 48.9 49.6 49.9 50.0 50.2 50.6 51.1 55.3 55.5 53.2 54.2 55.0 55.2 55.3 55.6 56.1 56.6 58.8 57.4 58.3 59.3 60.2 60.4 60.5 60.8 61.3 61.8 64.0 64.3 65.6 66.7 67.6 67.9 68.0 68.2 68.7 69.2 71.5 66.6 68.0 69.1 70.0 70.2 70.3 70.6 71.1 71.6 73.8 71.3 73.0 74.1 75.1 75.3 75.4 75.7 76.2 76.7 78.9 73.1 74.7 75.8 76.8 77.0 77.2 77.4 77.9 78.4 60.6 67.9 81.3 82.4 83.7 84.0 84.1 84.4 84.9 85.4 87.6 88.2 88.5 88.1 84.9 85.4 87.6 88.1 89.3 89.4 83.7 84.0 84.1 84.4 84.9 85.4 87.6 88.2 88.5 88.1 88.3 89.3 90.8 85.2 87.1 88.3 89.4 83.7 84.0 84.1 84.4 84.9 85.4 87.6 88.2 88.5 88.6 88.8 89.3 90.8 92.1 88.3 89.4 89.2 89.5 89.6 89.8 90.3 90.8 93.1 85.0 87.1 88.3 90.1 90.4 90.6 90.8 91.3 91.8 94.0 88.1 90.3 91.8 94.0 88.1 90.3 91.8 94.0 88.1 90.3 91.8 94.0 91.7 90.4 90.6 90.8 91.3 91.8 94.0 87.1 88.3 90.6 92.8 93.2 93.3 93.8 94.5 95.0 97.3 87.6 89.7 90.9 93.3 93.7 93.8 94.4 94.5 95.0 95.5 98.1 87.7 89.7 90.9 93.3 93.7 93.8 94.4 94.5 95.0 95.5 98.1 87.7 90.1 91.4 93.8 94.3 94.4 94.9 95.9 96.5 99.1												
31.8 32.1 32.6 33.3 33.5 33.6 33.9 34.1 34.6 36.8  33.3 33.6 34.1 34.7 35.0 35.1 35.4 35.6 36.1 38.3 33.7 34.1 34.6 35.2 35.5 35.6 35.9 36.1 36.6 38.8 37.6 38.0 38.6 39.2 39.5 39.6 39.8 40.2 40.7 42.9 39.3 39.7 40.3 40.9 41.2 41.3 41.6 41.9 42.4 44.7 40.1 40.4 41.1 41.7 41.9 42.1 42.3 42.7 43.2 45.4 44.7 47.1 41.7 41.9 42.1 42.3 42.7 43.2 45.4 44.7 47.1 41.7 41.9 42.1 42.3 42.7 43.2 45.4 44.7 47.1 41.7 41.9 42.1 42.3 42.7 43.2 45.4 44.7 47.1 41.7 41.9 42.1 42.3 42.7 43.2 45.4 45.5 53.2 54.2 55.0 55.2 55.3 55.6 56.1 56.6 58.8 57.4 58.3 59.3 60.2 60.4 60.5 60.8 61.3 61.8 64.0 64.3 65.6 66.7 67.6 67.9 68.0 68.2 68.7 69.2 71.5 66.6 68.0 69.1 70.0 70.2 70.3 70.6 71.1 71.6 73.8 71.3 73.0 74.1 75.1 75.3 75.4 75.7 76.2 76.7 78.9 73.1 74.7 75.8 76.8 77.0 77.2 77.4 77.9 78.4 80.6 77.3 78.9 80.0 81.4 81.6 81.8 82.0 82.5 83.0 85.2 79.7 81.3 82.4 83.7 84.0 84.1 84.4 84.9 85.4 87.6 88.8 81.9 83.7 85.0 86.5 86.7 86.8 87.1 87.6 88.1 90.3 85.2 85.4 85.6 86.1 86.6 88.8 88.8 81.9 83.7 85.0 86.5 86.7 86.8 87.1 87.6 88.1 90.3 89.8 92.1 84.2 86.4 87.6 89.2 89.5 89.6 89.8 90.3 90.8 93.1 85.0 87.1 88.3 90.1 90.4 90.6 90.8 91.3 91.8 94.0 86.2 88.3 89.6 92.1 88.5 88.6 88.8 89.8 99.3 90.8 93.1 85.0 87.1 88.3 90.1 90.4 90.6 90.8 91.3 91.8 94.0 86.2 88.3 89.6 92.1 88.7 89.9 92.1 88.7 89.9 93.3 93.6 92.6 92.9 93.1 93.3 93.9 94.4 96.7 87.2 89.3 90.6 92.8 93.2 93.3 93.8 94.5 95.0 97.3 87.6 89.7 90.9 93.3 93.7 93.8 94.3 95.0 95.5 98.1 87.6 89.7 90.9 93.3 93.7 93.8 94.3 95.0 95.5 98.1 87.6 89.7 90.9 93.3 93.7 93.8 94.3 95.0 95.5 98.1 87.6 89.7 90.9 93.3 93.7 93.8 94.3 95.0 95.5 98.1 87.6 89.7 90.9 93.3 93.7 93.8 94.3 95.0 95.5 98.1 87.7 90.1 91.4 93.8 94.3 94.4 94.9 95.9 96.5 99.1												
33.3 33.6 34.1 34.7 35.0 35.1 35.4 35.6 36.1 38.3 33.7 34.1 34.6 35.2 35.5 35.6 35.9 36.1 36.6 38.8 37.6 38.0 38.6 39.2 39.5 39.6 39.8 40.2 40.7 42.9 39.3 39.7 40.3 40.9 41.2 41.3 41.6 41.9 42.4 44.7 40.1 40.4 41.1 41.7 41.9 42.1 42.3 42.7 43.2 45.4 45.4 47.3 47.9 48.9 49.6 49.9 50.0 50.2 50.6 51.1 53.3 52.5 53.2 54.2 55.0 55.2 55.3 55.6 56.1 56.6 58.8 57.4 58.3 59.3 60.2 60.4 60.5 60.8 61.3 61.8 64.0 64.3 65.6 66.7 67.6 67.9 68.0 68.2 68.7 69.2 71.5 66.6 68.0 69.1 70.0 70.2 70.3 70.6 71.1 71.6 73.8 71.3 73.0 74.1 75.1 75.3 75.4 75.7 76.2 76.7 78.9 73.1 74.7 75.8 76.8 77.0 77.2 77.4 77.9 78.4 80.6 77.3 78.9 80.0 81.4 81.6 81.8 82.0 82.5 83.0 85.2 79.7 81.3 82.4 83.7 84.0 84.1 84.4 84.9 85.4 87.6 88.9 80.0 81.4 81.6 81.8 82.0 82.5 83.0 85.2 79.7 81.3 82.4 83.7 84.0 84.1 84.4 84.9 85.4 87.6 88.8 81.9 83.7 85.0 86.5 86.7 86.8 87.1 87.6 88.1 90.3 83.3 85.4 86.6 88.2 88.5 88.6 88.8 89.3 89.8 92.1 84.2 86.4 87.6 89.2 89.5 89.6 89.8 90.3 90.8 93.1 85.0 87.1 88.3 90.1 90.4 90.6 90.8 91.3 91.8 94.0 88.1 90.3 92.6 92.9 93.1 93.3 93.9 94.4 96.7 87.0 89.1 90.3 92.6 92.9 93.1 93.3 93.9 94.4 96.7 87.0 89.1 90.3 92.6 92.9 93.1 93.3 93.8 94.5 95.0 95.5 98.1 87.6 89.7 90.9 93.3 93.7 93.8 94.3 95.0 95.5 98.1 87.6 89.7 90.9 93.3 93.7 93.8 94.3 95.0 95.5 98.1 87.7 90.1 91.4 93.8 94.3 94.4 94.9 95.9 96.5 99.1												
33.7 34.1 34.6 35.2 35.5 35.6 35.9 36.1 36.6 38.8 37.6 38.0 36.6 39.2 39.5 39.6 39.8 40.2 40.7 4.2.9 39.3 39.7 40.3 40.9 41.2 41.3 41.6 41.9 42.4 44.7 40.1 40.4 41.1 41.7 41.9 42.1 42.3 42.7 43.2 45.4 45.4 47.3 47.9 48.9 49.6 49.9 50.0 50.2 50.6 51.1 53.3 52.5 53.2 54.2 55.0 55.2 55.3 55.6 56.1 56.6 58.8 57.4 58.3 59.3 60.2 60.4 60.5 60.8 61.3 61.8 64.0 64.3 65.6 66.7 67.6 67.9 68.0 68.2 68.7 69.2 71.5 66.6 68.0 69.1 70.0 70.2 70.3 70.6 71.1 71.6 73.8 71.3 73.0 74.1 75.1 75.3 75.4 75.7 76.2 76.7 78.9 73.1 74.7 75.8 76.8 77.0 77.2 77.4 77.9 78.4 80.6 77.3 78.9 80.0 81.4 81.6 81.8 82.0 82.5 83.0 85.2 79.7 81.3 82.4 83.7 84.0 84.1 84.4 84.9 85.4 87.6 88.1 90.3 83.3 85.4 86.6 88.2 88.5 88.6 88.8 89.3 89.8 92.1 84.2 86.4 87.6 89.2 89.5 89.6 89.8 90.3 90.8 93.1 85.0 87.1 88.3 90.1 90.4 90.6 90.8 91.3 91.8 94.0 86.2 88.3 89.6 92.1 89.3 90.8 93.1 85.0 87.1 88.3 90.1 90.4 90.6 90.8 91.3 91.8 94.0 86.2 88.3 89.4 90.3 90.8 93.1 85.0 87.1 88.3 90.1 90.4 90.6 90.8 91.3 91.8 94.0 86.2 88.3 89.4 90.3 90.8 93.1 85.0 87.1 88.3 90.1 90.4 90.6 90.8 91.3 91.8 94.0 86.2 88.3 89.4 90.3 90.8 93.1 85.0 87.1 88.3 90.1 90.4 90.6 90.8 91.3 91.8 94.0 86.2 88.3 89.4 90.3 90.8 93.1 85.0 87.1 88.3 90.1 90.4 90.6 90.8 91.3 91.8 94.0 86.2 88.3 89.4 90.3 90.8 93.1 87.0 89.1 90.3 92.6 92.9 93.1 93.3 93.9 94.4 96.7 87.2 89.3 90.6 92.8 93.2 93.3 93.8 94.5 95.0 97.3 87.2 89.3 90.6 92.8 93.2 93.3 93.8 94.5 95.0 97.3 87.6 89.7 90.9 93.3 93.7 93.8 94.4 94.9 95.9 96.5 99.1		31.0	22.1	32.10	33,03	0001	00.0					
37.6 38.0 38.6 39.2 39.5 39.6 39.8 40.2 40.7 42.9 39.3 39.7 40.3 40.9 41.2 41.3 41.6 41.9 42.4 44.7 40.1 40.4 41.1 41.7 41.9 42.1 42.3 42.7 43.2 45.4  43.5 44.0 44.9 45.5 45.8 45.9 46.2 46.5 47.0 49.3 52.5 53.2 54.2 55.0 55.2 55.3 55.6 56.1 56.6 58.8 57.4 58.3 59.3 60.2 60.4 60.5 60.8 61.3 61.8 64.0 64.3 65.6 66.7 67.6 67.9 68.0 68.2 68.7 69.2 71.5  66.6 68.0 69.1 70.0 70.2 70.3 70.6 71.1 71.6 73.8 71.3 73.0 74.1 75.1 75.3 75.4 75.7 76.2 76.7 78.9 73.1 74.7 75.8 76.8 77.0 77.2 77.4 77.9 78.4 60.6 77.3 78.9 80.0 81.4 81.6 81.8 82.0 82.5 83.0 85.2 79.7 81.3 82.4 83.7 84.0 84.1 84.4 84.9 85.4 87.6  80.9 82.5 83.6 85.0 85.2 85.4 85.6 86.1 86.6 88.8 81.9 83.7 85.0 86.5 86.7 86.8 87.1 87.6 88.1 90.3 85.2 89.3 89.8 92.1 84.2 86.4 87.6 89.2 89.5 89.6 89.8 90.3 90.8 93.1 85.0 86.5 86.7 89.8 89.8 90.3 90.8 93.1 85.0 87.1 88.3 90.1 90.4 90.6 90.8 91.3 91.8 94.0  86.2 88.3 89.6 91.7 92.1 92.2 92.4 92.9 93.4 95.7 87.2 89.3 90.6 92.8 93.2 93.3 93.8 94.5 95.0 95.5 98.1 87.6 89.7 90.9 93.3 93.7 93.8 94.3 95.0 95.5 98.1 87.6 89.7 90.9 93.3 93.7 93.8 94.3 95.0 95.5 98.1 87.6 89.7 90.9 93.3 93.7 93.8 94.3 94.9 95.9 96.5 99.1		33.3	33.6	34.1		35.0						
37.6 38.0 38.6 39.2 39.5 39.6 39.8 40.2 40.7 42.9 39.3 39.7 40.3 40.9 41.2 41.3 41.6 41.9 42.4 44.7 40.1 40.4 41.1 41.7 41.9 42.1 42.3 42.7 43.2 45.4 45.4 47.3 47.9 48.9 49.6 49.9 50.0 50.2 50.6 51.1 53.3 52.5 53.2 54.2 55.0 55.2 55.3 55.6 56.1 56.6 58.8 57.4 58.3 59.3 60.2 60.4 60.5 60.8 61.3 61.8 64.0 64.3 65.6 66.7 67.6 67.9 68.0 68.2 68.7 69.2 71.5 66.6 68.0 69.1 70.0 70.2 70.3 70.6 71.1 71.6 73.8 71.3 73.0 74.1 75.1 75.3 75.4 75.7 76.2 76.7 78.9 73.1 74.7 75.8 76.8 77.0 77.2 77.4 77.9 78.4 60.6 77.3 78.9 80.0 81.4 81.6 81.8 82.0 82.5 83.0 85.2 79.7 81.3 82.4 83.7 84.0 84.1 84.4 84.9 85.4 87.6 88.8 81.9 83.7 85.0 86.5 86.7 86.8 87.1 87.6 88.1 90.3 85.4 87.6 88.2 88.5 88.6 88.8 89.3 89.8 92.1 84.2 86.4 87.6 89.2 89.5 88.6 88.8 89.3 89.8 92.1 86.0 87.1 88.3 90.1 90.4 90.6 90.8 91.3 91.8 94.0 86.2 88.3 89.6 91.7 92.1 92.2 92.4 92.9 93.4 95.7 87.0 89.1 90.3 92.6 92.9 93.1 93.3 93.9 94.4 96.7 87.2 89.3 90.6 92.8 93.2 93.3 93.8 94.5 95.0 95.5 98.1 87.6 89.7 90.9 93.3 93.7 93.8 94.3 95.0 95.5 98.1 87.6 89.7 90.9 93.3 93.7 93.8 94.3 95.0 95.5 98.1 87.7 90.1 91.4 93.8 94.3 94.4 94.9 95.9 96.5 99.1		33.7	34.1	34.6	35.2	35.5	35 6					
40.1 40.4 41.1 41.7 41.9 42.1 42.3 42.7 43.2 45.4  43.5 44.0 44.9 45.5 45.8 45.9 46.2 46.5 47.0 49.3  47.3 47.9 48.9 49.6 49.9 50.0 50.2 50.6 51.1 53.3  52.5 53.2 54.2 55.0 55.2 55.3 55.6 56.1 56.6 58.8  57.4 58.3 59.3 60.2 60.4 60.5 60.8 61.3 61.8 64.0  64.3 65.6 66.7 67.6 67.9 68.0 68.2 68.7 69.2 71.5  66.6 68.0 69.1 70.0 70.2 70.3 70.6 71.1 71.6 73.8  71.3 73.0 74.1 75.1 75.3 75.4 75.7 76.2 76.7 78.9  73.1 74.7 75.8 76.8 77.0 77.2 77.4 77.9 78.4 80.6  77.3 78.9 80.0 81.4 81.6 81.8 82.0 82.5 83.0 85.2  79.7 81.3 82.4 83.7 84.0 84.1 84.4 84.9 85.4 87.6  80.9 82.5 83.6 85.0 85.2 85.4 85.6 86.1 86.6 88.8  81.9 83.7 85.0 86.5 86.7 86.8 87.1 87.6 88.1 90.3  83.3 85.4 86.6 88.2 88.5 88.6 88.8 89.3 89.8 92.1  84.2 86.4 87.6 89.2 89.5 89.6 89.8 90.3 90.8 93.1  85.0 87.1 88.3 90.1 90.4 90.6 90.8 91.3 91.8 94.0  86.2 88.3 89.6 91.7 92.1 92.2 92.4 92.9 93.4 95.7  87.0 89.1 90.3 92.6 92.9 93.1 93.3 93.9 94.4 96.7  87.2 89.3 90.6 92.8 93.2 93.3 93.9 94.5 95.0 97.3  87.6 89.7 90.9 93.3 93.7 93.8 94.3 94.5 95.0 97.3  87.6 89.7 90.9 93.3 93.7 93.8 94.5 95.0 95.5 98.1  87.7 90.1 91.4 93.8 94.3 94.4 94.9 95.9 96.5 99.1		37.6	38.0	3.8 • 6	39.2	39.5	39.6	39.8				
40.1       41.1       41.7       41.9       42.1       42.3       42.7       43.2       45.4         43.5       44.0       44.9       45.5       45.8       45.9       46.2       46.5       47.0       49.3         47.3       47.9       48.9       49.6       49.9       50.0       50.2       50.6       51.1       53.3         52.5       53.2       54.2       55.0       55.2       55.3       55.6       56.1       56.6       58.8         57.4       58.3       59.3       60.2       60.4       60.5       60.8       61.3       61.8       64.0         64.3       65.6       66.7       67.6       67.9       68.0       68.2       68.7       69.2       71.5         66.6       68.0       69.1       70.0       70.2       70.3       70.6       71.1       71.6       73.8         71.3       73.0       74.1       75.1       75.3       75.4       75.7       76.2       76.7       78.9         73.1       74.7       75.8       76.8       77.0       77.2       77.9       78.4       80.6         77.7       81.3       82.4       83.7       84.0		39.3	39.7	40.3	40.9	41.2	44 . 3	41.6	41.9			
47.3       47.9       48.9       49.6       49.9       50.0       50.2       50.6       51.1       53.3         52.5       53.2       54.2       55.0       55.2       55.3       55.6       56.1       56.6       58.8         57.4       58.3       59.3       60.2       60.4       60.5       60.8       61.3       61.8       64.0         64.3       65.6       66.7       67.6       67.9       68.0       68.2       68.7       69.2       71.5         66.6       68.0       69.1       70.0       70.2       70.3       70.6       71.1       71.6       73.8         71.3       73.0       74.1       75.1       75.3       75.4       75.7       76.2       76.7       78.9         73.1       74.7       75.8       76.8       77.0       77.2       77.4       77.9       78.4       80.6         77.3       78.9       80.0       81.4       81.6       81.8       82.0       82.5       83.0       85.2         79.7       81.3       82.4       83.7       84.0       84.1       84.4       84.9       85.4       87.6         80.9       82.5       83.6					41.7	41.9	42.1	42 3	42.7	43.2	45.4	
47.3       47.9       48.9       49.6       49.9       50.0       50.2       50.6       51.1       53.3         52.5       53.2       54.2       55.0       55.2       55.3       55.6       56.1       56.6       58.8         57.4       58.3       59.3       60.2       60.4       60.5       60.8       61.3       61.8       64.0         64.3       65.6       66.7       67.6       67.9       68.0       68.2       68.7       69.2       71.5         66.6       68.0       69.1       70.0       70.2       70.3       70.6       71.1       71.6       73.8         71.3       73.0       74.1       75.1       75.3       75.4       75.7       76.2       76.7       78.9         73.1       74.7       75.8       76.8       77.0       77.2       77.4       77.9       78.4       80.6         77.3       78.9       80.0       81.4       81.6       81.8       82.0       82.5       83.0       85.2         79.7       81.3       82.4       83.7       84.0       84.1       84.4       84.9       85.4       87.6         80.9       82.5       83.6			·				6 P			4 <del>7</del> 0	40.7	
52.5       53.2       54.2       55.0       55.2       55.3       55.6       56.1       56.6       58.8         57.4       58.3       59.3       60.2       60.4       60.5       60.8       61.3       61.8       64.0         64.3       65.6       66.7       67.6       67.9       68.0       68.2       68.7       69.2       71.5         66.6       68.0       69.1       70.0       70.2       70.3       70.6       71.1       71.6       73.8         71.3       73.0       74.1       75.1       75.3       75.4       75.7       76.2       76.7       78.9         73.1       74.7       75.8       76.8       77.0       77.2       77.4       77.9       78.4       80.6         77.3       78.9       80.0       81.4       81.6       81.8       82.0       82.5       83.0       85.2         79.7       81.3       82.4       83.7       84.0       84.1       84.9       85.4       87.6         80.9       82.5       83.6       85.0       85.2       85.4       85.6       86.1       86.6       88.8         81.9       83.7       85.0       86.5												
57.4       58.3       59.3       60.2       60.4       60.5       60.8       61.3       61.8       64.0         64.3       65.6       66.7       67.6       67.9       68.0       68.2       68.7       69.2       71.5         66.6       68.0       69.1       70.0       70.2       70.3       70.6       71.1       71.6       73.8         71.3       73.0       74.1       75.1       75.3       75.4       75.7       76.2       76.7       78.9         73.1       74.7       75.8       76.8       77.0       77.2       77.4       77.9       78.4       80.6         77.3       78.9       80.0       81.4       81.6       81.8       82.0       82.5       83.0       85.2         79.7       81.3       82.4       83.7       84.0       84.1       84.4       84.9       85.4       87.6         80.9       82.5       83.6       85.0       85.2       85.4       85.6       86.1       86.6       88.8         81.9       83.7       85.0       86.5       86.7       86.8       87.1       87.6       88.1       90.3         84.2       86.4       87.6												
64.3 65.6 66.7 67.6 67.9 68.0 68.2 68.7 69.2 71.5  66.6 68.0 69.1 70.0 70.2 70.3 70.6 71.1 71.6 73.8 71.3 73.0 74.1 75.1 75.3 75.4 75.7 76.2 76.7 78.9 73.1 74.7 75.8 76.8 77.0 77.2 77.4 77.9 78.4 80.6 77.3 78.9 80.0 81.4 81.6 81.8 82.0 82.5 83.0 85.2 79.7 81.3 82.4 83.7 84.0 84.1 84.4 84.9 85.4 87.6  80.9 82.5 83.6 85.0 85.2 85.4 85.6 86.1 86.6 88.8 81.9 83.7 85.0 86.5 86.7 86.8 87.1 87.6 88.1 90.3 83.3 85.4 86.6 88.2 88.5 88.6 88.8 89.3 89.8 92.1 84.2 86.4 87.6 89.2 89.5 89.6 89.8 90.3 90.8 93.1 85.0 87.1 88.3 90.1 90.4 90.6 90.8 91.3 91.8 94.0 86.2 88.3 89.6 92.9 93.1 83.3 93.9 94.4 96.7 87.2 89.3 90.6 92.8 93.2 93.3 93.8 94.9 94.9 95.7 87.2 89.3 90.6 92.8 93.2 93.3 93.8 94.5 95.0 97.3 87.6 89.7 90.9 93.3 93.7 93.8 94.3 95.0 95.5 98.1 87.7 90.1 91.4 93.8 94.3 94.4 94.9 95.9 96.5 99.1		52.5	-								-	
66.6 68.0 69.1 70.0 70.2 70.3 70.6 71.1 71.6 73.8 71.3 73.0 74.1 75.1 75.3 75.4 75.7 76.2 76.7 78.9 73.1 74.7 75.8 76.8 77.0 77.2 77.4 77.9 78.4 80.6 77.3 78.9 80.0 81.4 81.6 81.8 82.0 82.5 83.0 85.2 79.7 81.3 82.4 83.7 84.0 84.1 84.4 84.9 85.4 87.6 81.9 83.7 85.0 86.5 86.7 86.8 87.1 87.6 88.1 90.3 83.3 85.4 86.6 88.2 88.5 88.6 88.8 89.3 89.8 92.1 84.2 86.4 87.6 89.2 89.5 89.6 89.8 90.3 90.8 93.1 85.0 87.1 88.3 90.1 90.4 90.6 90.8 91.3 91.8 94.0 86.2 88.3 89.6 91.7 92.1 92.2 92.4 92.9 93.4 95.7 87.0 89.1 90.3 92.6 92.9 93.1 93.3 93.9 94.4 96.7 87.2 89.3 90.6 92.8 93.2 93.3 93.8 94.5 95.0 97.3 87.6 89.7 90.9 93.3 93.7 93.8 94.3 95.0 97.3 87.6 89.7 90.9 93.3 93.7 93.8 94.3 95.0 95.5 98.1 87.7 90.1 91.4 93.8 94.3 94.4 94.9 95.9 96.5 99.1		57.4	58·• 3	59.3	60.2	60.4						
71.3 73.0 74.1 75.1 75.3 75.4 75.7 76.2 76.7 78.9 73.1 74.7 75.8 76.8 77.0 77.2 77.4 77.9 78.4 80.6 77.3 78.9 80.0 81.4 81.6 81.8 82.0 82.5 83.0 85.2 79.7 81.3 82.4 83.7 84.0 84.1 84.4 84.9 85.4 87.6  80.9 82.5 83.6 85.0 85.2 85.4 85.6 86.1 86.6 88.8 81.9 83.7 85.0 86.5 86.7 86.8 87.1 87.6 88.1 90.3 83.3 85.4 86.6 88.2 88.5 88.6 88.8 89.3 89.8 92.1 84.2 86.4 87.6 89.2 89.5 89.6 89.8 90.3 90.8 93.1 85.0 87.1 88.3 90.1 90.4 90.6 90.8 91.3 91.8 94.0  86.2 88.3 89.6 91.7 92.1 92.2 92.4 92.9 93.4 95.7 87.0 89.1 90.3 92.6 92.9 93.1 93.3 93.9 94.4 96.7 87.2 89.3 90.6 92.8 93.2 93.3 93.8 94.5 95.0 97.3 87.6 89.7 90.9 93.3 93.7 93.8 94.3 95.0 95.5 98.1 87.7 90.1 91.4 93.8 94.3 94.4 94.9 95.9 96.5 99.1		64.3	65.6	66.7	67.6	67·9	68.0	68 • 2	68.7	69.2	71.5	
71.3 73.0 74.1 75.1 75.3 75.4 75.7 76.2 76.7 78.9 73.1 74.7 75.8 76.8 77.0 77.2 77.4 77.9 78.4 80.6 77.3 78.9 80.0 81.4 81.6 81.8 82.0 82.5 83.0 85.2 79.7 81.3 82.4 83.7 84.0 84.1 84.4 84.9 85.4 87.6  80.9 82.5 83.6 85.0 85.2 85.4 85.6 86.1 86.6 88.8 81.9 83.7 85.0 86.5 86.7 86.8 87.1 87.6 88.1 90.3 83.3 85.4 86.6 88.2 88.5 88.6 88.8 89.3 89.8 92.1 84.2 86.4 87.6 89.2 89.5 89.6 89.8 90.3 90.8 93.1 85.0 87.1 88.3 90.1 90.4 90.6 90.8 91.3 91.8 94.0  86.2 88.3 89.6 91.7 92.1 92.2 92.4 92.9 93.4 95.7 87.0 89.1 90.3 92.6 92.9 93.1 93.3 93.9 94.4 96.7 87.2 89.3 90.6 92.8 93.2 93.3 93.8 94.5 95.0 97.3 87.6 89.7 90.9 93.3 93.7 93.8 94.3 95.0 95.5 98.1 87.7 90.1 91.4 93.8 94.3 94.4 94.9 95.9 96.5 99.1		44 6	- 68 O	60.1	70:0	70.2	70.3	70 -6	71.1	71.6	73.8	
73.1       74.7       75.8       76.8       77.0       77.2       77.4       77.9       78.4       80.6         77.3       78.9       80.0       81.4       81.6       81.8       82.0       82.5       83.0       85.2         79.7       81.3       82.4       83.7       84.0       84.1       84.4       84.9       85.4       87.6         80.9       82.5       83.6       85.0       85.2       85.4       85.6       86.1       86.6       88.8         81.9       83.7       85.0       86.5       86.7       86.8       87.1       87.6       88.1       90.3         83.3       85.4       86.6       88.2       88.5       88.6       88.8       89.3       89.8       92.1         84.2       86.4       87.6       89.2       89.5       89.6       89.8       90.3       90.8       93.1         85.0       87.1       88.3       90.1       90.4       90.6       90.8       91.3       91.8       94.0         86.2       88.3       89.6       91.7       92.1       92.2       92.4       92.9       93.4       95.7         87.0       89.1       90.3												
77.3 78.9 80.0 81.4 81.6 81.8 82.0 82.5 83.0 85.2 79.7 81.3 82.4 83.7 84.0 84.1 84.4 84.9 85.4 87.6 80.9 82.5 83.6 85.0 85.2 85.4 85.6 86.1 86.6 88.8 81.9 83.7 85.0 86.5 86.7 86.8 87.1 87.6 88.1 90.3 83.3 85.4 86.6 88.2 88.5 88.6 88.8 89.3 89.8 92.1 84.2 86.4 87.6 89.2 89.5 89.6 89.8 90.3 90.8 93.1 85.0 87.1 88.3 90.1 90.4 90.6 90.8 91.3 91.8 94.0 86.2 88.3 89.6 91.7 92.1 92.2 92.4 92.9 93.4 95.7 87.0 89.1 90.3 92.6 92.9 93.1 93.3 93.9 94.4 96.7 87.2 89.3 90.6 92.8 93.2 93.3 93.8 94.5 95.0 97.3 87.6 89.7 90.9 93.3 93.7 93.8 94.3 95.0 95.5 98.1 87.7 90.1 91.4 93.8 94.3 94.4 94.9 95.9 96.5 99.1												
79.7       81.3       82.4       83.7       84.0       84.1       84.4       84.9       85.4       87.6         80.9       82.5       83.6       85.0       85.2       85.4       85.6       86.1       86.6       88.8         81.9       83.7       85.0       86.5       86.7       86.8       87.1       87.6       88.1       90.3         83.3       85.4       86.6       88.2       88.5       88.6       88.8       89.3       89.8       92.1         84.2       86.4       87.6       89.2       89.5       89.6       89.8       90.3       90.8       93.1         85.0       87.1       88.3       90.1       90.4       90.6       90.8       91.3       91.8       94.0         86.2       88.3       89.6       89.8       90.3       90.8       93.1         85.0       87.1       80.3       90.1       90.4       90.6       90.8       91.3       91.8       94.0         86.2       88.3       89.6       89.8       89.8       92.9       93.4       95.7         87.0       89.1       90.3       92.6       92.9       93.1       93.3       93.9												
80.9 82.5 83.6 85.0 85.2 85.4 85.6 86.1 86.6 88.8 81.9 83.7 85.0 86.5 86.7 86.8 87.1 87.6 88.1 90.3 83.3 85.4 86.6 88.2 88.5 88.6 88.8 89.3 89.8 92.1 84.2 86.4 87.6 89.2 89.5 89.6 89.8 90.3 90.8 93.1 85.0 87.1 88.3 90.1 90.4 90.6 90.8 91.3 91.8 94.0 86.2 88.3 89.6 91.7 92.1 92.2 92.4 92.9 93.4 95.7 87.0 89.1 90.3 92.6 92.9 93.1 93.3 93.9 94.4 96.7 87.2 89.3 90.6 92.8 93.2 93.3 93.8 94.5 95.0 97.3 87.6 89.7 90.9 93.3 93.7 93.8 94.3 95.0 95.5 98.1 87.7 90.1 91.4 93.8 94.3 94.4 94.9 95.9 96.5 99.1										~		
81.9 83.7 85.0 86.5 86.7 86.8 87.1 87.6 88.1 90.3 83.3 85.4 86.6 88.2 88.5 88.6 88.8 89.3 89.8 92.1 84.2 86.4 87.6 89.2 89.5 89.6 89.8 90.3 90.8 93.1 85.0 87.1 88.3 90.1 90.4 90.6 90.8 91.3 91.8 94.0 86.2 88.3 89.6 91.7 92.1 92.2 92.4 92.9 93.4 95.7 87.0 89.1 90.3 92.6 92.9 93.1 93.3 93.9 94.4 96.7 87.2 89.3 90.6 92.8 93.2 93.3 93.8 94.5 95.0 97.3 87.6 89.7 90.9 93.3 93.7 93.8 94.3 95.0 95.5 98.1 87.7 90.1 91.4 93.8 94.3 94.4 94.9 95.9 96.5 99.1		19.1	81 + 3	82.4	03 *-1	04.0	04 1.7	04•4	04.62	0344	07.0	
81.9 83.7 85.0 86.5 86.7 86.8 87.1 87.6 88.1 90.3 83.3 85.4 86.6 88.2 88.5 88.6 88.8 89.3 89.8 92.1 84.2 86.4 87.6 89.2 89.5 89.6 89.8 90.3 90.8 93.1 85.0 87.1 88.3 90.1 90.4 90.6 90.8 91.3 91.8 94.0 86.2 88.3 89.6 91.7 92.1 92.2 92.4 92.9 93.4 95.7 87.0 89.1 90.3 92.6 92.9 93.1 93.3 93.9 94.4 96.7 87.2 89.3 90.6 92.8 93.2 93.3 93.8 94.5 95.0 97.3 87.6 89.7 90.9 93.3 93.7 93.8 94.3 95.0 95.5 98.1 87.7 90.1 91.4 93.8 94.3 94.4 94.9 95.9 96.5 99.1		80.9	82.5	83.6	85.0	85.2	85-4	85-6	86.1	86.6	88.8	
83.3 85.4 86.6 88.2 88.5 88.6 88.8 89.3 89.8 92.1 84.2 86.4 87.6 89.2 89.5 89.6 89.8 90.3 90.8 93.1 85.0 87.1 88.3 90.1 90.4 90.6 90.8 91.3 91.8 94.0 86.2 88.3 89.6 91.7 92.1 92.2 92.4 92.9 93.4 95.7 87.0 89.1 90.3 92.6 92.9 93.1 93.3 93.9 94.4 96.7 87.2 89.3 90.6 92.8 93.2 93.3 93.8 94.5 95.0 97.3 87.6 89.7 90.9 93.3 93.7 93.8 94.3 95.0 95.5 98.1 87.7 90.1 91.4 93.8 94.3 94.4 94.9 95.9 96.5 99.1				85.0	86.5	86.7	86.8	87.1	87.6	88.1	90.3	
84.2 86.4 87.6 89.2 89.5 89.6 89.8 90.3 90.8 93.1 85.0 87.1 88.3 90.1 90.4 90.6 90.8 91.3 91.8 94.0 86.2 88.3 89.6 91.7 92.1 92.2 92.4 92.9 93.4 95.7 87.0 89.1 90.3 92.6 92.9 93.1 93.3 93.9 94.4 96.7 87.2 89.3 90.6 92.8 93.2 93.3 93.8 94.5 95.0 97.3 87.6 89.7 90.9 93.3 93.7 93.8 94.3 95.0 95.5 98.1 87.7 90.1 91.4 93.8 94.3 94.4 94.9 95.9 96.5 99.1									89.3	89-•8	92.1	
85.0 87.1 88.3 90.1 90.4 90.6 90.8 91.3 91.8 94.0 86.2 88.3 89.6 91.7 92.1 92.2 92.4 92.9 93.4 95.7 87.0 89.1 90.3 92.6 92.9 93.1 93.3 93.9 94.4 96.7 87.2 89.3 90.6 92.8 93.2 93.3 93.8 94.5 95.0 97.3 87.6 89.7 90.9 93.3 93.7 93.8 94.3 95.0 95.5 98.1 87.7 90.1 91.4 93.8 94.3 94.4 94.9 95.9 96.5 99.1									90.3	90.8	93.1	
87.0 89.1 90.3 92.6 92.9 93.1 93.3 93.9 94.4 96.7 87.2 89.3 90.6 92.8 93.2 93.3 93.8 94.5 95.0 97.3 87.6 89.7 90.9 93.3 93.7 93.8 94.3 95.0 95.5 98.1 87.7 90.1 91.4 93.8 94.3 94.4 94.9 95.9 96.5 99.1										91.8	94.0	
87.0 89.1 90.3 92.6 92.9 93.1 93.3 93.9 94.4 96.7 87.2 89.3 90.6 92.8 93.2 93.3 93.8 94.5 95.0 97.3 87.6 89.7 90.9 93.3 93.7 93.8 94.3 95.0 95.5 98.1 87.7 90.1 91.4 93.8 94.3 94.4 94.9 95.9 96.5 99.1						-						
87.2 89.3 90.6 92.8 93.2 93.3 93.8 94.5 95.0 97.3 87.6 89.7 90.9 93.3 93.7 93.8 94.3 95.0 95.5 98.1 87.7 90.1 91.4 93.8 94.3 94.4 94.9 95.9 96.5 99.1												
87.6 89.7 90.9 93.3 93.7 93.8 94.3 95.0 95.5 98.1 87.7 90.1 91.4 93.8 94.3 94.4 94.9 95.9 96.5 99.1		87.0						1			The second secon	
87.7 90.1 91.4 93.8 94.3 94.4 94.9 95.9 96.5 99.1		87.2	89-•3	90.6	92.8	93.2		93 🕫 8				
		87.6	89.7	90.9	93.3	93.7	9.3.8	94.3	95 <sub>•</sub> -0		•	
		87.7	90.1	91.4	93.8	94.3	94.4	84 <b>.</b> € 9	95.9	96.5	9-9 • 1	
- 07 7 nn 1 n1 11 n7 0 n1 7 01 11 05 n 06 2 06 8 1111111		877	90.1	91.4	93.8	94.3	944	95.0	96 •.2	96.8	100:0	

CEI	LING	• • • • •		•••••				ISIBILI		-
1	_	61	GE	GE	GE	GE	GE	GĒ	GE	G
FE	ET	160	90	80	60	48	40	32	24	
		• • • • •		1 0.0 6 0 0						• • •
ΝО	CEIL	3.3	25.8	26.0	26.9	28,0	28.2	28.2	29.3	30
c c	200001	4.C	27.9	23.1	29.0	30.1	30.3	30.7	31.9	32
	18000	4.0	27.9	28.1	29.0	30.1	3g. 3	30.7	31.9	32
	16000	4 . C	27.9	28 • 1	29.0	30.1	30.3	30.7	31.9	32
	14000	4.2	28.0	28-2	29.1	30.2	30 • 4	30.8	32.0	32
GE	15000	4.4	28.2	28.5	29 . 3	30.4	30.7	31.0	32.3	3 3-
~ ~	100001	u 0	20. 0	20 1	70.0	72 0	70 7	72.0	34.1	3.5°
G E G E	9000	4.8 4.8	29.8 30.1	30.1 30.3	30.9 312	32.0 32.3	32.3 32.5	32.9 33.1	34.4	3·5
GE	8000	5.0	34.7	35.0	36.B	37.1	37.3	37.9	39.1	40
GΕ	70001	5.3	55.1	35.3	36.3	37.5	37.8	38.4	39 • 6	40
GE	60001	5.6	36.4	36.7	37.7	38.9	39 • 1	39.8	41.0	4.1
-										-
GE	50001	6.5	40.5	41.1	42.6	44.0	44.4	4-5 • 4	46.9	47
GE	4500	6.7	43.8	44.4	45.9	47.7	48.1	49.1	50.8 54.2	51 55
G E G E	4000  - 3500  -	7.0 7.5	46.3 49.9	47.1 50.8	48.6 52.5	50.8 54.7	5 <sub>1</sub> .5 55.5	52 • 5 56 • 4	58.2	59:
GE	30001	8.5	56.6	577	59.4	61.8	62.6	63.6	6.5 • 3	66
<u> </u>	20001	.,.,	30.0	3,	3711	0170	0200	02.0	0.5 7 5	
ΘĒ	25 00	8.7	57.9-	59.0	60.7	63.3	64.2	65.2	66-∙ 9	67
6 E	20001	9.2	63.1	64.5	66.5	69.2	70.2	71.2	72.9	73
G E	1800	9.3	63.9	65.4	67.5	79.2	71 • 2	72.1	73.9	74
GE	1500	9.3	66.9	68.6	70.9	73.7	74.8	75.8	77.7	78-
GE	1200	9.3	69.7	71.5	74.2	7.7 • 1	78.4	79.4	81.2	827
GE	10004	9.3	70.3	72.1	751	78.3	79.6	80.6	82.5	83-
GE	9001	9.3	71.4	73.3	76.2	79.4	80.7	81.7	83.6	84-
GE	6 00 1	9.6	71.8	73.9	76.8	80.0	81.5	82.8	84.9	86.
GE	700-	9.6	72.0	74.2	77.5	81.1	82.6	83.9	86.1	87.
GE	600-1-	9.6	72.0	74.2	78.0	81.7	83.2	84.5	86.9	88.
GE	500	9.7	72.6	73.0	79.0	82 0	84 4	86.0	99.3	89.
GE			72.8							
GE			72.8							-
GE		9,8	72.8	75.2	79.4					
6 E	100		72.8			83.8				
			<b>70.</b>	~~ ~ ~	<b>70</b>			A = .	0 - "	
GE			72.8					87.6		
				· · · · · · ·					<del>  </del>	

## QUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

=											
OR	D UK					OF REC		-76,80- (LST):		00	
	* * * * * * * * * * * * * * * * * * *	* * * * * * * * * * * * * * * * * * *						• • • • • •	• • • • • •	• • • • • • • • • • •	
			HUNDREDS								
<del>-</del>	GE	GE	GE	GE	GE	GE	G E.	GΕ	GΕ	GE	
† L	32	24	20	16	12	10	8	5	4.	0	
	• • • • • •	* * * * * *-*	• • • • • • •	• • • • • •	• • • • • •	• • • • • •	• • • • • •	• • • •-• • •	• • • • • • • • •		
2	28.2	29.3	30.2	30 • 4-	30.4	30.4	30.7	31.3	31.3	32.9	
3	30.7	31.9	32.8	33.0	3.3 • 0	33.1	33.4	34.0	34.1	35.7	
3	30.7	31.9	32.8	33O	33.0	33.1	33.4	34.0	34.1	35.7	
3	30.7	31.9	32.8	33.0	33.0	33.1	33.4	34.0	34.1	35.7	
, 4	30.8	32.0	32.9	33.1	33.1	33.3	33.5	34.1	34.2	35.8	
. 7	31.0	32.3	33.1	33.4	33.4	33.5	33.7	34.4	34.5	36.1	
3	32.9	34-1	35.0	35.2	35.2	35.3	35 • 6	36.2	36.3	37-•9	
5	33.1	34.4	35,2	35.5	35.5	35.6	35.8				
3	37.9	39.1	40.0	40-4	40.4	40.5	40.7	36.4	36.6	38 • 2	
ა პ	38.4	39 • 6	40.5	40.9	_			4-1 - 6	41.7	43.4	
1	39.8	4-1 • 0			40.9	41.0	41.2	42.1	42.2	4-3 • 9	
	37.0	4-7 • A	41.8	<sup>4</sup> 2•2	42.2	42.3	42.6	43.4	43-6	45.3	
4	45.4	46.9	47.7	48 • 1	48.1	48.2	48.5	4.9 . 3	49.4	51.2	
1	49.1	50.8	517	52.0	52.0	52.1	52.4	53.3	5.3.4	55 •1	
5	52.5	54.2	55.1	55.5	55.5	55.6	55.8	56.7	56.8	58.7	
5	56.4	58.2	59.O	59-• 4	59•4	59 • 5	59 • 8	60.6	60.7	62.6	
6	63.6	65.3	66.3	66-6	66.6	66.7	67.0	67•9	68.0	69.8	
2	65.2	66.9	67.9	68.2	68.2	68.3	68-•6	69.4	69.6	71.4	
2	71.2	72.9	73.9	74.2	74.2	744	74.6	75.5	75.6	7-7 • 4	
2	72.1	73.9	74.8	75-2	75.2	75.3	75.6	76.4	76.6	78.4	
8	75.8	77.7	78.7	79.4	79.4	79.5	79 • 8	80 • 6	80.7	8-2 • 6	
4	79.4	81.2	82.2	82.9	82.9	83.1	83.3	84.2	84-3	86.1	
6	80-•6	82.5	83.4	84.2	84.2	84.3	84.5	OF (1	05 5	0.7 4	
7	81.7	83.6	84.7	85.4	85.4	85.5	85.8	85.4 86.6	85.∙5 86.7	87.4	
5	82.8	84.9	86.0	86.7				,		88.6	
6	83.9	86.1	87.2	88.0	86•7 88•0	86.9	87.1	88.0	88.1	89.9	
2	84.5	86.9	88.1	88.8	88.8	88-•1 89 •-0	88.3 89.3	89•2 90•2	89•3 90•3	91.2 92.1	
	^ ~										
4	86.0	88.3	89.6	90 • 8	90.9	91.0	91.5	92.•.4	92.5	94.4	
3	87.0	89.4.	90.7	91.9	92.0	92.1	92 • 6	93.5	93.6	95.5	
6	87.5	89.9	91.2	92.5	92.6	92.8	9-3 • 3	94.4	94.6	969	
6	87.5	90.2	91.4	92.8	92.9	93.0	93.6	94.8	95.1	98.0	
દ	87.6	90-4	91.7	93.•1	9-3.3	93.4	94.0	95.2	95.5	9.8.•5	
6	87.6	90.4	91:.7	93.3	9-3 . 4-	93.6	94 • 4	95.6	9:5 • 8	100.0	
• • •				-• • • • , • •							
					-						

1.

STATION NUMBER: 036446 STATION NAME: RAF FAIRFORD UK

CEI	LING	• • • • •		**				VISIBIL:		
1	N I	GT	GE	GE	GE	GE		GE	GE	GE
FE	ET	16 C	90	80	6.0	48	40	32	24	2.0
					• • • • • •					
ИО	CEIL	4.0	21.1	21.7	22.9	23.1	23.6	23.8	24.5	25 .
	_									
	200001	4.9	23.8	24.4	25.8	26.5	27.3	27.9	28.8	29.
	180001	4.9	24.1	24.6	26.1	26.8	27.6	28.2	29.0	29.
	16000-	4.9	24.1	24.6	26 • 1	26.8	27.6	28.2	29.0	29.
	14000	4.9	24.3	24.9	26. <sub>3</sub>	27-1	27 : 9	28.5	29.3	29.
GE	12000	5.3	24.9	25.5	26.9	27.7	28.5	29.1	29.9	30.
A ==										
6E	100001	5.5	27.1	27.8	29.5	30.3	31.2	3.1 • 8	32.6	33.
GE	90001	5.6	28.1	28.8	30 •-4	31 - 2	32.2	32.7	33.6	34.
GE	80001	56	31.6	32.3	34 • 0	34 - 9.	35.8	36 • 4	37-• 2	37.
GE	70001	5.8	32.3	33.1	34.9	35-∙7	36.6	37.2	38.0	38•
ÇΕ	60 0C	5.• B	32.7	33.7	35 • 4	36 • 4	37.4	38.0	38.8	39
GΕ	50001	. 7	76.0	70 1	0.5	nia n	<b>"</b> • •	r. ** 4		
GE	50001	6.3	36.9	38 • 1	40 • 1	41.4	42.5	43.1	44.1	4-4.
	45 00	6.7	40.3	41.7	44.6	45.4	46.5	47.1	48.1	48.
G.E	4000	7.6	45.9	47.4	49.9	51.3	52 • 5	53.3	54-5	55.
GE	3500	7.6	482	49-8	52.5	54.0	55.2	56.0	57.2	57•
GE	30001	8 2	53.8	55.6	58.7	60.3	61.5	62.8	64.0	64.
GE	2500	8,8	56.2	58.1	61.2	62.8	64 • · Ū	65.3	66.4	67.
6 E	2000	93	59.6	616	65.1	67.3	68 • 4	6.9 • 8	71.4	71.
GE	1800	9.5	60.6	62.7	66 . 2	68.4	69.6	7-1.0	72.5	73.
υE	1500	9.7	63.5	6.5 • 7	69.5	71.7	73. C	746	76.4	77.
GE	1200	9.7	66.4	68.7	72.8	75.0	76.3	78.1	79.8	80.
	12,001	7 • 1	00.44	001.	12.0	73.0	1013	10-17	17.0	001
GE	1000	9.7	68.1	70.4	74.5	76.9	78 • 2	79.9	81.7	82
GE	9001	9.9	68.4	70.9	75.5	78.1	79.3	81.1	83.0	83
u E	800	9.9	68.9	71.4	75.9	78.5	79.8	81.8	83.7	84:
GE	700 (	9.9	69 - 2	71.8	76.5	79.2	80.5	82.5	84.4	85
G-E	6001	9.9	69.4	72.1	769	79.9	81.3	83.3	85.2	86
				•						
G E	5001	9.9	69.7	72.5	77.7	81.1	82.6	84.6	86.6	87.
ьE	4001	9.9	69.7	72.7	77.9	8ĩ.Š	83.0	85.0	87.3	88
6E	3001	9:49	69.7	72.7	77.9	81.6	83.3	85.4	87.8	89
GE	2001	9.9	69.7	72.7	77.9	81.6	83.3	85.4	88.1	89
GΕ	īcol	9.9	69.7	72.7	77.9	81.6	83.3	85.4	88.1	8.9
	_									-
GE	o I-	9.9	697	72.7	77.9	81.6	83.3	85.4	88.1	8 9
	• • • • • •	• • • • •			• • • • • • •					• • • •

υK							-76,79-8 (LST): (		00	
* * * * * * * * * * * * * * * * * * *	**************************************						• • • • • •	_		Ċ
GE	GE GE	HUNDRED: GE	GE GE	GE	GE	c	GE	GE	GÊ	
32		20		12		6 E 8	5 - 5	4	0	-4
32		• • • • • • •			<u>v</u>			7		
23.8	24.5	25.1	25.5	25.5	25.6	25.7	26-42	26.6	27.7	
27.9	28.8	29.3	29 • 7	29.7	29.8	29.9	30.4	31.2	32.3	
28.2	29-0	29.6	29.9	29.9	30.0	30.2	30.6	31.5	32.5	7
28.2	29.0	2'9-• 6	29.9	29.9	30.0	30.2	30.6	31.5	32.5	*
28.5	29.3	29.9	30.3	3n-•3	30.4	30.5	31.0	31.8	32.9	
29.1	29.9	30.5	30.9	30.9	31.0	31.1	31.6	32.4	33.5	J
	<b>-</b>			-		_				~ <b></b>
31.8	32.6	33.2	33.6	33.6	33-•7	3-3 • 8	34.3	35.1	36.2	
32.7	33:∙ 6	34.2	34.5	34.5	34.6	34.7	35.2	36.0	37.1	j
36 -4-	37.2	37.8	38.3	38.3	38 - 4	38.5	39.0	39.8	40.8	wet
37.2	38.0	38-6	39.1	39.1	39.2	39.3	39.8	40.6	41.7	
38.0	38.8	39.4	40.0	40.0	40-1	40.3	40.7	41.5	42.6	)
										**
43.1	44.1	44.7	453	45.3	45 - 4	45.5	46.0	46.8	47.•9	
47.1	48.1	48.7	49.3	49.3	4.9.4	49.5	50.0	50.8		)
53.43	54.5	55.0	55.6	55.6	5.5.8	55-9	56.3	57.2	58 • 2	
56.0	57, 2	57.7	58.3	58.5	58.6	58.7	59:2	6ŋ•ŋ	61.0	
62.8	64.0	64.6	65.1	65.4	65.5	65.6	66.1	66.9	68 • D	)
65.3	6.6 . 4	67.0	67.6	67.8	68.0	6.8 . 1	68.5	69.4	7-0 • 4	
69-8	71.4	71.9	72.5	72.8	72.9	73.0	73.5	74.3	75.4	- 7
								75.5	76.5	J
71.0	72.5	73.1	73.7	739	74-1	742	74.6			
74.6	76-4	77.0	78.1	78.3	7.8 • 4	78.5	79.0	79.8	81.0	~
78.1	79-8	80.5	81.6	81.8	81.9	8 <sub>2</sub> -0	82.5	83.3	84.5	3
79.9	81.7	82.4	83.6	83.8	839	84.0	84.6	85.4	86.6	
81.1	83.0	83.7	84.9	85.2	85.3	85.4	86.0	86.9	88.0	)
81.8	83.7	84.4	85.6	85.9	860	86.•2	86.7	87.6	88.7	- whi
82.5	84.4	8.5.1		86.7	86.9	87.0	87.6		89.6	
83.3	85.2	86.2		87.9		88-1	88.7			)
									•	****
84.6	8-6 - 6	8.7 • 6	89.1	89.6	89.8	8.9.9	90.5	91.3	92.5	
85.0	87.3	883	90.3	90.7	91.0	9-1 - 1	91.7	92.5	93.7	)
85.4	87.8	89.1	91.1	91.7	92.0	92.4	93.0	93.9	95.48	
85.4	88.1		91.5	92.5	92.8	9-3. 2	94.4	95.5	98.0	
85.4	88.1		-	92.0	93.0	93.4		96.0	99.3	•
85.4	82.1	8 <sup>-9</sup> • 6-	01 ± 7-	92.4	o-Run	97 - h	94.7	96.2	100.0	
										in
	7 6 6 6 6 6 .6	• • • • • • • •		5-0-0 + i_n +	·· · · · · · · · ·		V:0-V 4'6'0"0"		-0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	O
										O
										•

O

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURP USAFETAC FROM HOURLY

AIR WEATHER SERVICE/MAC

1

( )

(

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

	LLING							VISIBIL	YTI
		6T	GE	GE	GE	GE	GE	ĠE	
	[ T3]	160	90	80	60	48	40	32	
• • •		• • • • • •	,		• • • • • •	• • • • • •	•••••		
N O	CEIL	1.7	1-9.3	19.6	21., 1	21 6	~. · ·	<b>0.1</b>	
				27.0	er mining	21.5	21.5	21.7	23
	200001	3.5	23.1	23.7	26.0	27.3	27.3	27.7	28
	180001	3.5	23.1	23-•7	26.0	27.3	27.3	27.7	28
	160001	3.6	23.2	23.8	26 • 1	27.5	27.5		
GE	140001	3.8	23.6	24.2	26.5	27.8			28
GE	12000	4.1	24.7	25.4	27.7		27.8		28
	•		4117	23.4	21.1	29.2	29.2	29.8	3 (
GE	100001	4.3	27.5	23.3	30.7	32.2	32.2	32.8	33
GE	90001	4.3	28.8	29.8	32.2	33.8	33.8		
GE	10008	4 . 4	32.6	33.6	36.0	37.7		34-4	31
GE	7001	4.4	33.3	34.3	36.7		37.7		38
G-E	60001	4.5	33.9	35.D		38.4	38.4		39
	,	,,,	33.7	33 • G	37 • 4	39.2	39.2	39.8	40
G.E	50001	5 • 4	37.5	38.6	41.5	43.5	43.6	44.2	44
GE	45 90	6.0	40.7	42.3	45 • 7	47 • 6	47.8	48.3	
GE	40001	6.7	45.1	46.8	50.4	52.5			49
GE	3500	7.1	47.9		53.4		52.6	53.5	54
ĞĒ	3000	7.5	52.8	55.2		55 5	55.6	56.5	5 7
_	1		32.10	33.42	59.0	61.3	61 • : 4	62.8	6.3
GΕ	2500]	8.3	54.2	57.0	60 • 8	63.2	63.3	647	6-5
GE	20001	9.0	58 <b>.</b> 7	61.6	66.2	63.8	68.9	79.3	
G E	1866	9-• O	59.6	62.6	67.4	70.1			71
G E	1500	9-₊ 3	63.2	66.5	72. j		70.2	71.6	72
G E	1200	9.7	64.8	68.5		74.8	74.9	76.3	77
	12001	· • 1	04-10	00.13	74.7	77.7	77.8	7-9.5	80
GE	1000	9.8	66-4	70.2	76.6	79.9	80.8	81.9	83
GΕ	9 0 C	9.8	66.9	79.7	77.2	80.6	80.9	82.9	
6 E	8001	9.8	67.D	70.8	77: • 3	80.8	81.1		84
GΕ	7001	9.8	67-1	70.9	77.7	81.5		83.1	84
GE	6001	9.8	67.1	71.0	77.9		81.8	83.9	85
			~	, 1 • 0	1-1 6 9	31.7	32.2	84.3	86
5-E	5 00	9.9	67.3	71.6	78.7	82.6	83.1	85.5	87
3 E	4001	9 9	67.5	71.8		83.2		86.1	
ŝΕ	3001	9. 9	67.5	71.8	79. 3	83.2			-
ЭE	2001	9.9	67.5	7-1 -8		27 2	03 • B	86.3	88
ŝΕ	100	3.9	67.5	71.8		03.2	03.0	86.3	89
	•	* * /		• •	17 • 3	83.43	82. 9	86 • 4	89
ΞE	01	9.9	67.5	71 6	70 7	83.3			89

### REQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

	VISIBIL:	-	HUNDREDS			- 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				
	GE	GE	GE	GE	GE			GE	٦E	GE
C	32		20						4	Ō
• • .	• • • • • • •			• • • • •	• • • • • •	• • • • • • •	• • • • • •		•••••	• • • • • • • • • •
5	21.7	22.0	22.6	22.7	230	23.0	23.0	23.2	23.6	24.4
3	27.7	28.0	28.7	28.8	29.2	29.3	29.5	29.7	30.0	31.1
3	27.7	28 0	28.7	28.8	29.2	29.3	29.5	29.7	30.0	31.1
. 5	28.0	28.2	28.9	29.0	29.5	29.6	29.7	29.9	30.3	3:1 • 3
	28.4	28.7	29.5	29.6	30.0	30.1	30.43	30.5	30.8	31.9
-8 -2	29.8	30.0	31.0	31.1	31.5	31.6	3 E	32·0	32.3	33.4
. 2	32.8	33.1	34.1	34.2	34.6	34.8	34.9	351	35-4	36.5
8	34-24	34.8	35.7	35.8	36.2	36.4	36.5	36 <sub>0</sub> ,7	37.1	38.1
. 7	38.3	38.7	39.6	398	40.3	40.4	40.6	40.9	41.3	42.3
4	39.0	39 • - 6	40.5	40.9	41.3	414	41.7	41.9	42.3	43.4
. 2	39.8	40.4	41.3	4-1.7	42.1	42.2	42.5	42.7	43.2	44-•.2
- 6	44.2	44.8	457	46.1	4.6 • 6	46.7	47-•0	47.2	11 m - C	48.•7
∪ ∴	48.3	48.9	49.8		50.7	50.9	51.1		47.+6 51.8	52.8
- 8 ∕				50.3				51.3		
, 6	53.5	54 • 1	55.0	55.5	55.9	56.0	56.3	56.5	57-0	58.0
6	56.5	57.1	53., r	58.5	58.9	59.1	59 • 4	59-•6	60.1	61.1
4	62.8	63.6	64.6	65.1	65.8	66.1	66•3	66.5	67.0	68.0
3	64.7	65.5	66.5	67.1	67.8	68.0	682	68.5	68.9	70.0
9	79.3	71.3	72.4	73.0	73.6	7.3 • 9	7-4 - 1	74.3	74.8	7-5 • 8
2	71.6	72.8	74.0	74.6	75.3	75.5	75.7	75.9	76.4	77.4
9 8	76.3	77	78.8	79.4	80.1	80.3	80 <u>•</u> 6	80.8	81.2	82.3
8	7-9 • 5	8 ـ • ∟8	82.0	82.6	83.3	83.5	83.8	84.0	84.5	85.5
S	81.9	83.2	84.7	85.4	86.1	86 3	-86-•.5	86.8	-87-•2	88.3
, 9	82.9	84.5	86.0	86 . 8	8-7 • 5	87.7	87.9	88.1	88.6	8-9-6
. 1	83.1		86.3				88 •4	88 • <del>6</del>	89.1	90.1
ક	83.9	85.7	87.3	88.4	8-91	89.3	89.5	89 <b>.</b> g	90.2	91.3
. 2	84.3	86.2	87.8	88.8	89.5	89.8	90.0	90.2	90.7	9-1 - 7
. 1	85.5	8. <i>1.</i> 7	81.3	90.3	9-1 • 1	91.5	91.7	92.1	92.5	93.6
• 7	86.1	88.5	9. •-1	91.5	92.4	92.8	93.1	93.6	94.0	95. • 1
8	86.3	88.8	90.6	92.1	93.1	93.4	93.9	94.5	94.9	96.8
8	86.3	89.D	90.9	92.9	93.9	9.4 . 4	94 . 8	95.4	96.0	9.8 • 3
9	8_6-• 4	89.1	91.1	93.1	94.4	94 • •	95.3	96.0	96.9	99.5
. 9	86.4	8-9 1	91.1	93.1	94.4	94-•8	95.3	96.•2	97-•4	100.0
• •	000	<b>∪</b> , , <b>v</b> ⊥	/ 4 * 4	=						• • • • • • • • • • •

AIR WEATHER SERVICE/MAC

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSI

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEIL	ING						\	ISIBILI	TY IN H	ยห่อเ
Iti	1	GT	GE	GE	GE	GE	GE	GE	GΕ	Gi
FEE	T 1	160	90	80	6 G	48	4 C	3 2	24	
• • • •			• • • • • • •	• • • • •					• • • • • • •	
		~ ~	21.0	22 5	0.7 (	~ ~ ~	07.0	O.1. /	20. "	<b>~</b> "
NUC	EIL	3.9	21.9	22.5	23.4	23.9	23.9	244	24.4	24-
G E 2	10000	6.2	28.2	29.0	30 • 5	30.9	30.9	31 • 4	31.4	31.
	80001	6.2	28.5	29.3	30.8	31.3	31.3	31 • 8	31.8	32.
CE 1	60001	6.2	28.5	29.3	30.8	31.3	31.3	31.8	31.8	32.
6 E 1	40001	6.5	29.1	29.09	315	32.0	32.0	32.4	32.4	32.
GE 1	22001	6.9	31.5	32.3	33.0	34.4	34.4	35.0	35.0	35.
6 E 1	00001	7.7	34.1	34.9	36 •8	37.3	37.3	38.0	38.0	38-•
	9r001	7.9	34.8	35.7	37.9	38.5	38.5	39.1	39.1	39.
	80001	7.9	37.0	37.9	40-1	40.6	40.6	41.3	41.3	41.
	7000	8.0	33.9	40.0	42.4	4-3 - 0	43C	43.6	436	44.
G-E	60001	8.3	40.3	41.5	43.9	44.5	44.5	45.2	45.2	45-
GE	50001	8 9	43.5	44.8	47.6	483	48.3	49.1	49.1	49.
	45001	9.4	47.2	48.5	51.3	52.1	52.1	52.9	52.9	53.
•	40001	9.9	50.9	52.2	55.0	55.9	55.9	56.8	56.8	57.
	35 00	10.3	54.2	55.4	58.2	59.2	59.5	60.6	60.7	61.
GE	30001	10.9	60.5	62.0	65 • 4	66.5	66.7	68 - 1	68.2	68.
G-E	25001	11.3	63.4	64.9	68 • 4	69.5	69.7	7-1-• 1	71.2	71.
	20001	11.7	67.7	69.7	74.2	75.6	76.1	77.5	77.6	7-7
GE	1800	12.1	68.2	76.3	74.8	76.3	76.8	78.2	78.3	78.
G-E	1500	12.4	71.1	73.3	78 • 2	80.3	80 <sub>+</sub> 7	82.4	87.6	83.
GE	12001	12.6	74.1	76.8	81.9	84.1	84.5	86.3	36.0€	87.
GΕ	10001	12.7	74.9	77.7	83.1	85.5	86.0	87.8	88.1	88.
ĞĒ	0001	12.8	75.5	78-3	83.7	86.1	86.7	88.7	8-9.0	89.
GE	800	12.9	76.2	79.0	84.5	87-+5	38.1	90.1	90.4	91.
GE	700]	12.9	76.3	79.1	84.6	87.8	88 • 3	90.3	90.6	91.
GE	6001	12.9	76.7	79 • 7	85-, 3	88.6	89.4	91.5	91.9	92•
G.E	5001	12.9	76.7	79.7	85.6	88.9	90.0	92.1	93.4	94.
6 E	-	12.9		79.•7	85.8	89.1	90.3		94.3	94
GC	-	12.9		79.8	86.03	868	91.0	93.4	95.2	95.
GΕ	2001	12.9	76.8	79.8		898	91.0	9-3 • 4		96.
GE	100	12,9	76.8	79.8		89-•8	91.0	9.3.4		96.
GΕ	១1	12.9	76.•8	79.8	86 • 3	89.8	91.0	9-3 • 4	95.7	96.
										• • • • • • • • •

ORI	D UK				PERIOD MONTH		ORD: 74 HOURS	-76,79-8		100	}_
•	* * * * * * * * * * * * * * * * * * *	* 0. * * * * * * *		T-1-6 6 6 6	· · · · · · · · · · · · · · · · · · ·			• • • • • • •	• • • • • • •	• • • • • • • • • • •	•
ļ	GE		HUNDREDS					<u> </u>			·
İc		GĒ.	GE	GE	GE	GE	GE	GÉ	GE	GE	
C	3 2	2-4	20	16	12	10	8	5	4	0	-
• •	• • • • • •	••••	0 9 0 0 9 0 0 0	*-	• • • • • • •	• • • • • • •		• • • • • •	• • • • • •		•
9	24.4	24-4	24.7	24.8	24.8	24.8	25.1	25.1	25.1	25.3	*
						•	•	-			4
9	31.4	31.4	31.8	32.0	32.0	32.Q	32.2	32.2	32.2	32.4	
3	31.8	31.8	32.1	32.3	32.3	32.3	32.6	32.6	32.6	3.2 • 8	-
3	31.8	31.8	32-1	32.3	32.3	32.3	32 • 6	32.6	32.6	32.8	•
0	32.4	32.4	32.8	33.0	33.6	33.0	33.3	33.3	33.3	33.5	
4	35.0	35.0	35.3	35.6	35.6	35.6	35.8	35.8	35 • 8	36.0	-
								30,0	33.8	2010	-
3	38.0	38.0	38.3	38.6	38.6	38.6	38.8	38.8	38.8	39.0	
5	39.1	39 • 1	39.5	39.7	3-9 - 7	39.7	40.0	40.0	40.0	40.2	
6	41.3	4-1 3	41.7	41.9	41.9	41.9	42.1	42.1	42.1	42.4	~
C	43.6	43.6	44.0	44.2	44.2	44.2	44.5	44.5	44.5	44.7	
5	45.2	45.2	45.5	45.7	45.7	45.7	46.0	46.0	46.0	46.2	
									, 0.,0	.0.2	eds
3 1	49-1	49 - 1	49.4	49.7	49.7	49.7	49.9	49.9	49-69	50.1	
1	52.9	52.9	53.2	53.5	53.5	53.5	53.7	53.7	53.7	53.9	*
9	56 • 8	56.• მ	5.7.2	57 - 4	57.4	57.4	57-6	57.6	5.76	57.9	**
5	60.6	60.7	61.1	61.3	61.3	61.3	61.5	6- <sub>1-•</sub> -5	61.5	6.1. • 8	
7	68.1	68.2	68-6	69.3	69.3	69.3	69.5	69.5	69.5	697	, .
7					-				0,40	0,1,	
7	71.1	71.2	71.6	72.3	72.3	72.3	72.5	72.5	7.2.5	72.7	
i	77.5	77.6	77.9	78.6	78∵∓€	78 • 6	78.9	78.9	79.0	7-9 • 2	
8	78 • 2	78.3	7:8 . 8	79.4	79:• 4-	79.4	797	79 • 7	79.8	80.0	*
7	82.4	82.6	8-3.• 1	83.8	83.8	83.9	84.2	84.2	84.3	8 4-• <u>5</u>	
5	86.3	86.6	87.2	87.9	87.9	88.0	88.2	88.2	88.3	88.6	.مر افد
											art
7 1	87.8	8-8 - 1	88.7	89.4	89.4	89.5	897	89.•7	89.8	90.1	
"	88.7	89.0	89.6	90.3	90.43	90.4	90∙6	90.6	90.8	9.15.0	-
	90.1	90.4		919	91.9	92.0	92.4	92.4	92.5	92.7	+
ોંડ	90.3	90.6	91.2	92.1	92.1	92.3	92.6	92.6	92.7	9 3 <sub>1*</sub> 0	
4	91.5	91.9	92.5	9-3 - 4	93.4	93.5	93.9	93.9	94.0	941.2	
	00.1	0.7 %			1						-
-	92.1	93.4	94.0	94.9	94.9	95.0	95 • 4	95.5	95.6	95 🕫 8	
B	92 • 7	94.3	9.4 39	95-8	95.8	960	9,5	96.4	96•7	96.9	يم ام-⊤
1	9.3.44	95. 2	95.7	96.7	96.7	96.8	97 . I	97.2	9-7-• 7-	98 • 3	~
þ	93.4	95 • 7	96.3	97 • 5	97.5	97.6	97.9	98.2	9.8 • 7	99.7	
5	9-3.4	95.7	96.3	97.5	·9-7 • 5	97.6	98.0	98.3	99•Ö	100.0	***
	93.4	95. 7	06.7	07 5	07 5	07 1	00 -		_ <u>-</u>		•
ľ	7J+4	7 2.4 /	96.3	97.5	97.5	97.6	98.0	98.3	9.9 • Q	100.0	*
• •			- 4.7 9 7 7 7 7 7	- · · · · ·	· · · · · · · · · ·				• • • • • •	0 0 0 05W-0 0-0-0 0 0	٠,
-											
5			•								

O

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEILIN IN FEET	1G   	GT 160	GE 90	G E 80	GE 60	GE 48	GE 4 D	ISIBILI GE 32	TY IN H GE 24	UNDRĘ GE 2¢
NO CE	L I	3.8	23.7	24.1	25 • 0	25 • 4	254	25.9	25.9	26 • C
GE 200 GE 180 GE 160 GE 140 GE 120	1 00 0 1 00 0 1 00 0	6.9 7.0 7.0 7.0 7.7	31.6 32.0 32.0 32.2 33.3	32.0 32.3 32.3 32.6 33.8	33.1 33.4 33.4 33.8 34.9	33.7 34.0 34.0 34.4 35.5	33.7 34.0 34.0 34.4 35.5	34.2 34.6 34.6 34.9 36.1	34.2 34.6 34.6 34.9 36.1	34.4 34.7 34.7 35.2
GE 95 GE 85 GE 70	200   000   000   000   000	8.4 8.7 8.8 8.8	36 • 1 36 • 8 39 • 3 40 • 3 41 • 5	36.7 37.3 40.0 41.0 42.3	37.9 38.6 41.4 42.5 43.8	38.8 39.5 42.3 43.4 44.7	38.8 39.5 42.3 43.4 44.7	39.4 40.1 42.8 44.0 45.2	39.4 40.1 42.8 44.0 45.2	39.5 40.7 43.0 44.
GE 45 GE 46 GE 35	1001	10.0 10.2 11.0 11.5 12.0	46.7 49.7 54.1 57.0 62.7	47.7 50.7 55.1 58.1 63.7	49.8 52.9 57.5 6 <sub>0</sub> .7	50.7 53.8 58.4 61.7 68.8	50.7 53.8 58.4 61.9 69.2	51.4. 54.5 59.1 62.5 69.9	51.4 54.5 59.1 62.5 69.9	51. 54. 59. 62. 70.
GE 20 GE 18 G-C 15	1001	12.1 12.3 12.5 12.6 12.9	64.3 68.5 69.1 71.7 73.8	65.8 70.2 71.0 74.0 76.5	69.6 75.0 76.2 79.6 82.6	71.1 76.7 78.0 81.9 85.1	71.5 77.1 78.4 82.2 85.5	72.2 78.5 80.0 83.3 87.1	72.4 78.7 80.2 84.1 87.4	72. 78. 80. 84. 88.
GE 9 GE 8 GE 7	200   200   200   200   200	13.1 13.1 13.1 13.2 13.3	75.7 76.2 76.5 77.0 77.1	78.6 79.0 79.7 80.5 80.6	85.2 85.9 86.6 87.5 87.6	83.0 88.7 89.3 90.3 90.4	88.3 89.0 89.9 90.8 91.0	89.9 90.6 91.9 92.8 92.9	90.3 91.3 92.6 93.7 93.8	91. 92. 93. 94.
6E 3	00   100   100   200   100	13.3 13.3 13.3 13.3	77.1 77.1 77.1 77.1 77.1	80.8 80.9 80.9 80.9	87.7 87.7 87.9 87.9 87.9	90.7 91.1 91.2 91.2 91.2	91.3 91.8 91.9 91.9 91.9	93 • 2 94 • 0 94 • 2 94 • 2 94 • 2	94.2 95.0 95.2 95.3 95.3	95. 95. 96. 96.
6 E	٥١	13.3	77.1	80.9	879 ••••••	91.2	91 9	94 • 2	953	96.

IN

\*

1

· •

)

)

0

()

0

• • •			• • • • • • •		• • • • • •				1500-17 •••••	···
_	AIZĪBIL				,					
E	GE	GE	GE	GE	GE	-GE	GE	GE	GE	GE
4 C	32	24	20	16	12	10	8	5	4	0
		• • • • • • •			• • • • • • •	• • • • • • •		• • • • • • •		
								~		-
• 4	25.9	25.9	26.0	26 • 3	26.3	26.3	26.3	26.3	26.3	26.3
			_							
. 7	34.2	34.2	34.4	34.7	34-,8	34-8	34.8	34 + 8	34.8	34.8
. 0	34.6	34-6	34.7	35.1	35.2	35.2	35.2	35.2	35 2	35.2
. C	34-•6	34.6	34.7	35.1	35.2	35.2	35.2	35.2	35.2	35.2
. 4	34.9	34.9	35.1	35 • 4-	3Š.5	35.5	35.5	35.5	35.5	35.5
. 5	36.1	36.1	36.2	36.5	36.7	36-• 7	36 • 7	36.7	36.7	36.7
			_	•	3.5 4 .	20.21	,		30.4 )	30.17
٤.	39.4	39.4	395	39.9	40.0	40.0	40.0	40.0	40 • O	40.0
. 5	401	40.1	40.2	40.5	40.7	40.7	40.7	40.7	40.7	4.0 • 7
3	42.8	42.8	43.0	43.3	43.4	43.4	43.4	43.4	43.4	43.4
4	44.0	44.0	44.1	44 • 4	44.6	44.6	44.6	44.6	44.6	4:4 • 6
7	45.2	45.2	45.4	45.7	45.8	45.8	45.8	45 • 8	45.8	4.58
•	, , , ,	.012	1.5 (	, 5 . 1	43 40	43.0	4:5 • 0	40.0	43.0	4-3-€0
. 7	51.4	51.4	5.1.5	51.9	52.0	52.0	52.0	52.0	52.0	·5 ~ ~
8	54.5	54.5	54.6	55.0	55.1	55.1	55.1	55.1	55.1	52.0 55.1
, 4	59.1	5.9.1	59.2	59.6	59.7	59.7	59.7	59: 7	597	59.7
9	62.5	62.5	62.7	63.0	63.1	63.1	63 1			
. 2	69.9	69.9	70.1	70.4	78.6	70.6	70.6	631	63.1	63.1
	0/1/	0,4,	10.1	10.4	-10.0	(-U.• O	70.6	70.6	70.6	70.6
5	72.02	72.4	72.6	7.3 • 0	73.1	731	73.0=1	73.1	77 1	7.7 1
ĩ	78.5	78.7	78.9	79.4	79.5	79.5	7.9.5	79.5	73.1 79.5	73 • 1
. 4	80.0	80.2	80.5	81.1	81.2	81-2	81.2			79.5
2	83.8	84.1	84.7	853	85 <sub>-</sub> 5			81.2	812	81.2
.5	87.1	87.4	88.0	88.7	88.8	85.5	85.5	85.5	85.5	85.5
. 3	0,11	07.4	00.0	00 . 1	00.0	88.8	8.8 •8	88.8	88.8	88.8
7	89.9	90.3	9-1-•0	91.6	01 0	01.0	01 0	01.0		A:4 A
-3	90.6	91.3			91.8	91.8	91.8	91.8	91.8	91.8
9	91.9		92.0 93.2	92 • 8	92.9	92.9	92.9	92.9	92.9	92.9
غ -	92.8	92.6 93.7	94.5	94.0		94.2			94.2	
0 0	92.9	93.8		95.3	95.4	95.4	95.4	95.4	95.4	95 • 4
}	76-0-7	93.0	94.6	95.4	95.5	95.5	95.5	95,5	95.5	95.5
3	07 -	0	a.c	ac a	a 5 - 5			<b>.</b>		
2	93.2 94.0	94.2	95.0	95.8	95.9	96.0	96.0	96.3	963	96.43
9		95.0	95-8	96.6	96.7	96 • 8	96.9	97•4	97.4	97.5
-9	94.2	95.2	96.0	96 • 8	96.9	97.0	97.1	97•6	97.6	98.4
	94.2	95.3	961	97.1	97.3	97 .4	9.7. • 5	97.9	97.9	99.1
9	94 - 2	95.3	96-1	97.1	97.3	974	97.6	98 • 2	98.4	1:00.0
l,	01: 0				~					
9	94.2	95.3	96.1	97.1	97.3	9.7. • 4	97.6	98:• 2	98.4	100.0

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEJ	LING						•		- 8 - 🛡						V-IS						
	N		GΤ			G E.		GE			Έ		GE			GΕ			ŝΕ		Gl
	ET		160			80		6											2 4		;
• • •		• • •	(		• • • •	• • • •	***	•• 6	• •	v-q • •	-6.9	• • •	• • •	٠.		6 - 6 - 6	• •	• • •	• •	• • •	• •
ИС	CEIL	ļ	2.8	31	3	3.1 • 8	š	32.	6	32	8.		33,	0	3	3 • 5	5	33	5 . 8	3	33
	20000		3.8	34.		34.9		36.			. 2		36.	5		7.0			. 3		<b>37</b> .
	18000		3∙8	34.		34.9		36.			•.2		36.			7.0			•		37
	16000		3.8	34.		35 • 2		36.			• 5		36.			7 • 3			7 . 6		37
	14000		3.8	34.		35.3		36.			• 6		36.			7 • 9			•		37
6 E	12000		3.8	35.	5 .	35.9	7	37.	Ü	37	• 2		37.	5	38	8.0	)	38		3	38
G E	10000	7	4.0	37.		37.9		39.			• Š		39.	7	41	0.•3	3		) . 6		40
G-E	9000		u • 0	37•		38.2		39.			• 9		40.			0.7			. • (		4.1
6 E	8000		4. ū	40.		40.5		42.			. 6		42.			3 • 9			1.2		44
GE	7000		4.C	41.		41.7		43.			9		44.			5 2			5 . !		45
űΕ	6000		4.3	42.	2 '	42.9	?	44.	6	-45	.0		45.	3	4	6 • 3	3	4.6	5., 6	5	4-6
GE	5000		4.7	46.		47.0		49.			7		50.	0		1.1					51
GE	4500		5.C	47.		43.9		51.			7		52.	0		3.1			3. 1		53
GE	4000		5.3	53.		54.7		57.			• 5		57•			9 • (			• :		59
GE	35 ეე		5.4	57.		585		61.			4		61.			3.0			3 • . 2		63
GE	30 60	: 1	6.1	65.	0 (	66.2	2	69.	2	69	•-9		70.	- 4	7	1 •	7	7.1	l • 9	9	<b>-7</b> 1.
6 E	25 80		6.1	67.	2	69.1	Į.	72.	1	7.2	2.9		73.	4	.7	46	•	' '			7.4
GE	2000		6.1	70.		72.6		76.			• 6		7€.			9 -			9		79
G E	18 80		6.1	71.		73.2		77.			. 3		78,			0 • 5		-	) (		80
G E	1-5.00		6.3	73.		75.8		80.			• 5		81-			3.6			3 . 9		84
6 E	1200	11	ŏ.3	75.	8	78.3	<u>l</u>	82.	8	84	• 2		84,	-6	8	6 • 3	3	86	5 . (	6	8-7
GE	100		6.3	7Ť.		79.5		84.		86	. 0		86.	5	8	8 . 6	5		3.9		8 9.
G E	9.00		6.4	78.		81.1		86.			. 9		88.		-	0.5			) • '		91
GE	800		6.4	78-		81.5		87.			. 9		89.			1 .			٠.		92
6 E	700	-	6.4	79.		81.9		88.			• 9		90.			2 • 9			3		9-3
GE	€ 00		6.4	79•	5	821		88.	6	90	2		9ŭ•	6	9	2.	7	93	3 6	6	94
GE	5 0 9	1	6.4	79-	6	82,3	3	88.	9	90	2 • 5		90.	-9	9	3.0	)	9:	3.9	9	94
GE	4-00		6.4	79 î	9	82.6	•	89.	2	91	•-2		91.	6	9	3 • ·	7	91	1 . (	6	9-5
GE	300		6.4	79.		82.6		89.			. 2		91.			3•		91			9-5
G E	200		5.4	79•		82.6		89.			2		91.			3.		91			95
GE	1 ປີເ	-	6.4	79.	9	82.6	b	89•	2	91	. 2		9-1 •	-6	9	3.	7	91	1.	7	95
GE	0		6 4	79.	9	82.6	5	89.	2	9 1	٠Ž		91.	.6	9	3 •≟	7	91	i	<b>7</b>	95

	Đ ųK			-		OF RECO		-76,79-8		00	.)
ME	VISIBILI	TY IN		OF ME	TFRS		• • • • • • •			·• • • • • • • • • • • • • • • • • • •	Ċ
6	GE 32	GE 24				GE 10	8	GE 5	GE 4	GE O	Č
•											
· 9	33.5	33.8	33.8	33.9	33.9	34.3	34.3	34-•3	34-+ 3	34.3	
5	37.0 37.0	37.3 37.3	37.3	37 • 5	37.5	37.9	37.9	37.9	37.9	37.9	*
5			37.3	37.5	3.7 • 5	37.9	37.9	37.9	37.9	37.9-	4
7	37.3	376	37.6	37.7	37.7	38 • 2	38 • 2	38.2	38 <sub>-</sub> , 2	38-•2	
9	37.5	37.7	37.7	379	37.9	38.3	38.3	38.3	38.3	38.3	**1
5	38.0	38.3	38.3	38.5	38,5	38 •₌9	38.9	38.9	38.9	38.9	J
7	40.3	40.6	40.6	40.7	407	41.2	41.2	41.2	41.2	41.2	
2	40.7	4-1 0	4-10	41.2	41-2	416	41.6	41.6	41.6	41.6	)
	43.9	44.2	44.2	443	44.3	44.7	44.7	447	44.7	44.7	
6.	45.2	4.5 • 4	45.4	456	45.6	46.0	46.0	46.0	46.0	4.6-• O	
7	46.3	46.6	46.•6	46•7	46.7	47 • 2	472	47.2	47.2	47.2	)
-6 7	51.1	51.4	51.4	51.6	5-1 • 6	52.0	52.0	52.0	52.0	5.2.•0	
7	53.1	53.4	53.4	537	53.7	54 • 1	541	54.1	54.1	54.1	)
5	59 <b>.</b> D	59.3	5-9 - 3	59.5	59.5	60 • O	60.0	60.0	60.0	60.C	
5-	63.0	63.2	6.3.2	63 • 5	63.5	64 → 0	64.0	64 <b>-</b> 0	64.D	64.0	
2-	71.7	71.9	7-19	72.2	72.2	72.6	7.2 • 6	72.6	7.2 • 6	72.6	j
ĵ-	74.6	74.9	74.9	75.• 2	75.4	7:5 . 8	75.8	75.8	75.8	75.3	
ا ن	79.6	79.9	79.9	80.6	80.8	81.2	81.2	81.2	81.2	81.2	J
5	80.5	8.08	8.0.8	81.5	81.6	82.1	82.1	82.1	8.2 • 1	8.2.•1	
5 Ĉ	83.6	83., 9	84.3	85.0	85.2	85.6	85.6	85.6-	85.6	85.6	
7	36.3	36.6	8.7 • 0	87.7	87.9	88.5	88-•5	88.5	88.5	88.5	(
0	88.6	88, 9	8-9 • 3	90+0	90.2	90.7	90.7	90.7	9.0.7		
9	90.5	907	91.2	91.9	92.0	92.6	926	92.6	9.2 • 6	9-2 • 6	)
0	91.5	9⁼1 7				9.3.7					
6	92.5	93.3	93.7	94,6	94:•9	95.•4	95-∙4	95.4	95.4	95.4	
9	92.7	93-6	9-4- <b>-</b> 6	949	95.2	95 • 7	95.7	95 • 7	95.7	95.7	)
4	93.0	93.9	94.3	95.4	95.7	96.3	96.3	96.3	96.3	96.4	=
4	93.7	94.6	95.2	96.4	9.6.• 9	97.4	97.4	97:4	97.4	97.6	)
7	93.7	94.7	95.ц	96:•7	97.2	97.7	97-•7-	97.7	97.9	98.0	Print"
c l	93.7	947	95.6	97.0	97-•4-	98₌•0	980	98.1	98.•3	99.0	
O	93.7	94.7	95.6	97.0	97.4	98.0	98 • 1	98.4	98.6	99 • 6	)
0	93.7	94.7	95.6	97,0	9.74.	9.8. <sub>•</sub> D	98.•1	98.4	98.6	100.0	
				,		-				11 0° 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	$\mathbf{Q}$
	-							-			£.*
ł	- -										0

0

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

I	LING N ET	-		GE 9-0	G.E.	GE 6 O	GE 48	GE 4 O	VISIBILI GE 32	TY IN GE 24	H UN
	• • • • •	-							32		
N C	CEIL		3	28.7	29.4	30.7	31.4	31.4	31.4	31•4	3
	20000		3	30.2	30.9	32.3	33.0	33 <b>.</b> 0	33.0	33.0	-
	18000	-	3	30.2	30.9	32.• 3	33.0	33.0	33.0	33.0	
	16000	5	3	30.2	30.9	32. 3	33.0	33.0	33.0	33.0	3
	14000	-	3	30.2	30.9	32 • 3	33.0	33.0	33.0	33.0	
u t.	12000		3	30.4	31.1	32.5	33,2	33.2	33.2	33.2	3
	10000	-	3	32.5	333	34 • 7	35.4	35.4	35.6	35.6	3
E	9000	-	3	33.0	33.9	35.9	36 • 6	36.6	36.8	36 • 8	
i E i E	8000 7000-		3 3	₹ <b>5</b> •6	36-4	38 • 5	39.2	39.2	39.4	39.4	3
3 E	- 77-00- - 6960	7	3	36 • 1 36 • 8	37.0 37.7	39 . წ 39 . 7	39 • 7 40 • 4	39•7 40•4		39.9	ί,
, <u>C</u>	01300	•	<u>.</u> `	70.0	74 • 1	37 • 1	40.4	40.4	40.6	40-6	t
jξ	5000		.51	42.0	428	44.9	45.6	45.6	46 -1	46.1	t
Ε	45 gc		5	44.2	45.3	48.0	48.7	48.7	49.4	49.4	
Έ	4560		5	49.1	5ე.1	53 • 2	53•-9	54.2	54.•9	54.9	
3 E	3500		5	53.9	54-•9	58.0	59.1	59.4		60.1	6
3 E	3000	•	5	59.9	61.0	64.4-6	65.8	66.5	67.4	6.7 . 4	(
Ē	2500		ŗ	63:0	64.1	67.7	69.3	70.1	71.0	71.0	
E	2000		5	68.0	69.1	72.7	74.3	75.1	76.3	76.3	
E	1800	-	5	68.9	69.9	73-6	75.1	76.0	77.2	77.2	
E	1500	-	5	72.5	73.6	77: • 4	78.9	79.8	.8 1 • O	81.0	
E	1260		5	76-0	77.0	81.C	8-2.6	83.4	′8-4 <b>-</b> -8	85.0	i
Ε	1000		5	77-•5	7-8-•6	82.7	84.8	85.7	87.9	88.1	;
E	950		5	78.4	79.4	83.6	85.7	86.5		88.9	
E	8 00·		C,	78.4	79.6	84.3	86.5	87.4	89.6	89.8	
3 5	700		5,	79.6	81.2	86.Ü	88.3	89.1	9-14	91.7	(
; F	600		5	79.6	8-12	86 • 5	88.8	89.6	91.9	9-2 • .2.	•
E	F 00					87.0			92.6		
3.6	4 30					87.0			9.2.9		
Έ		ļ- ,.				87.0			92.9		
ξ	200					87.2	8948		93.3		
E	100		5	798	81.5	87.2	89.8	90.7	93.•3	93.6	'
					81.5						

TOTAL NUMBER OF OBSERVATIONS: 579

(

(

## FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

	• • •							OF RECO		(LST):	2100-23	ο̈́ο	
)  -		V.	ISIBIL		∹UN <sub>D</sub> R <sub>ED</sub> S			• • • • • • •		0 0-0 0 0 0 0	• • • • • •	• • • • • • • •	. •
	GE		GE	GE		GE		GЕ	GE	GE	GE	GE	
l .	41	0	32	24		1.6		10		5	4	O	
. •	• • •	<b>0</b> • • •	• • • • •				018-0 0.0 0 0 I						•
7	₹1	4	31.4	3.1. 4	32.0	32.6	32.6	328	33.0	33.0	33.0	33.2	
-	₹3. (	G.	33.0	33.0	33-•5	34 • 2	34.2	34.4	34 • 5	34 • 5	34.5	34.7	
3	33.0	C	33.0	33.0	33.5	34.2	34.2	34.4	345	34.5	34.5		
7.3	33. (	0	33.0	33.0	33.5	34.2	34.2	344	34 ,5	*			
7	33.0	0	33.0	33.0	33.5	34.2	34.2	34.4	34.5	34.5		-	
3	33. ( 33. ( 33. ( 33. (	2	33.2	33.2	33.7	34.4	34.4	34.5	34.7	34.7		34.9	
			35.6	35.6	36.1	36.8	36 • 8	37.0	37-•1	37.1	37.1	37.3	
7	6.6	6	368	368	3-7.3	38.0	38.0	38 . 2	38:3	38.3	38.3		
3	39.	2	39.4	39.4	39.9	40.6	40.6	40.8	40.9	40.9	40.9		
- 7	3c.	7	39.9	39.9	40.4	41.1	41.1	41.3	415	41.5	41.5		
4	35.4 36.6 39.2 39.1	4	40.6	40.6	41-1	4-1 - 8	41.8	4 2̂.• Ô	42.1	42.1	42-1	42.3	
ч	15.6	6.	46.1	46.1	4-6 - 8	4.7-• 5	47.5	47•7	4-7-•8	47.8	4-7. • 8	48.0	
4	18.	7	49.4	49.4	50.1	50.8	50.8	50.9	51.1	51.1	51.1	51.3	
5	4 . 2	2	54.9	54.9	55.6	56.3	56.3	56.5	56.6	56.6	56.6	56.8	
¢	9.1	4	6 B - 1	60.1	60.8	61.5	61.5	61.7	61.8	61.8	61.8		
6	15.6	5	67.4	6.7.4	68D	68.7	68.7	68 • 9	69.1	69.1	6-9 • 1	69.3	
7		1	71.0	71.0	71.7	7-2 • 4	724	72-5	72.7	72.7	72.•.7	72.9	
7	75.1	- 1	76.3	76.3	77.0	78.2	78.2	78.4	78.6	78.6	78.6	7-8 - 8	
-	76.0	n	77 • 2	77.2	77.9	79.1	79.1	79.3	79.4	79.4	79.4	79-•6	
7	79.8	8	81.0	81.0	81.9	83.1	83.1	83.2	83.4	83.4	83.4		
á	70 • 1 75 • 1 76 • 1 79 • 8	4	84.8	85.0	8.5 • 8	87.C	87.0	87.2	87 • 4	87.6	87.6	87.47	
			87.9	88.1	8.9 . 1	90.3	90.3	90.5	90 • 7	90.8	9 🗓 8	910	
-	; b • '	5	88-8	88.9	90.0	91.2	91.2	91.4	91.5	91.7	91.7	9.1 • 9	
Ş	5. : 6. :	4	8.93		90.8			92.2		92.6		92.7	
۶	9.	1	91.4	91.7	92.9	94.1	94.1	94.3	94.5	94.6	94.6	94.8	
	9.		91.9	92.2	9-3.4	94.6	94 ::6	94.8	95.0	95.2	95.2	95.3	
r	0.5 0.5 0.5	2	92.6	92.9	94.1	95:•-9	9⁻5 •₌9	9.60	96.2	96.4	96.4	96.∙5-	
c	ō.	5	92.9	93.3	94.5	96.2	96.2	96.4	96.5	967	96.4 96.7	96.9	
c	.n.	- Fi	92-9	93.3	95 O	96.7	96.7	9-7 - 1	9-7-•.2	97.6	976	9.7.•9	
9	) []	7	93.3	93.6	95.3	97.1	27.4	97.8	9.7 • 9	98:•-4-	98.8	995	
9	·	7	93.3	93.6	95.3	97.1	97.4	97•8	97.•.9	99 • O	99.3	100.0	
-	20.		93.3	93.6	953	97.1	97.4	97.8	97.9	99.0	99.3	1:0:0-•,0	

)

)

)

USAFETAC AIR WEATHER SERVICE/MAC

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE O FROM HOURLY OBSER

STATION NUMBER: 026440 STATION NAME: RAF FAIRFORD UK

	• • • • • • •		• • • • • • • •							
	ILING							VISIBIL		_
	IN	-		GE		GE				GE .
	EET		90							20
• • •	• • • • • • •		5 5 5 6, 6· 6 6 6		• • • • • • •			• • • • • • •	· • - • - • • • •	• • • • • •
N O	CEIL	3.1	24.1	24-6	25.7	26.2	26.4	26-•7	27-• 1	27.5
	200001	4.5	27.9	28.5	30.0	30.8	31.0	31.5	31.8	32.3
	18000	4.5	28.1	28.7	30.1	30.9	31.1	31.6	32.0	32.4
	16000	4.5	28-•1	28.7	30.2	31.0	31.2	31.47	32.0	32.5
	14000	4.6	28.4	29.0	30.5	31.3	31.5	32.0	<sup>3</sup> 2•3	32 • 8
GE	12000[	4.9	29.2	29.8	31.3	32.2	32.4	32.9	33.3	33.8
6.E	100001	5.3	31.4	32.1	33.7	34.6	34.9	35.4	35.8	36.3
GE	90001	5.3	32.1	32.8	34.6	35 • 5	35 • 7	36.3	36.7	37.2
GE	8rool	5.4	35.2	36.0	37.8	38.7	39.0	39.7	40 - 1	40.€
GE	70001	5.5	36.2	37.0	38.9	39.9	40.1	40.8	4-1 - 2	41.7
G E	60001	5.7	37.1	38.0	39.9	40.9	41.2	41.9	42.3	4-2 • 8
G-E	50004	6.3	412	42.2	44 • 5	45 • 6	45.9	46.7	47.2	478
GE	4500	6.7	44.2	45.3	47.9	49.1	49.4	50 • 2	50 • 8	51.:
űΕ	40001	7.2	48.6	49.8	52.5	53.8	54.3	55.2	55.8	56.
ČΕ	35001	7.5	52.1	53.3	56.1	57-•5	58.0	59.0	596	60.2
6 E	3000	8.2	58.2	59.6	62.8	64.5	65.1	66.2	66.9	67.5
	46001	<b>3.</b> 2	- O • E	37,0	0210	0113	03.1	0012	0017	011;
GE	25001	8.5	602	61.9	65.1	66.9	67.5	68.6	69 -4	7.0 . (
G E	2cop1	9.0	64.4	66.3	70.2	72.1	72.8	74.2	75.0	7.5.
6 E	18001	9.1	65:• 3	67.2	71.2	73.2	73.9	75.3	76.2	76
GE	1500	9.3	68.3	70.4	74.8	77.0	77.8	793	80.2	8.1.(
GE	1200	9.4	70.7	73.1	77 • 8	80.1	80. 5	82.5	83.5	84.:
			_							-
GΕ	1000-	9.5	72.0	74.5	79.5	81.9	82.8	84.5	85 • 5	86.1
GΕ	9 00-J	9.5	72.7	75.3	80.4	82.9	83.8	85.6	86.7	87.
GE	1003	96	73.2	75.8	81.0	83.7	84.6	86.6	878	88.
GE	7 an-l	9.6	736	76.3	81.8	34.6	85.5	8.7 • 5	88.8	8-9 •.∃
CE	6.50-1	9.6	73.7	7-6.5	82.2	85.1	86.0	88.1	89.5	90.1
			-							-
GE	500	9.7	73.9	76.9	82.7	85.8	86.8	89.0	90.5	91.
GE	4-60	9 7	74.0	77.0	83. Ü	86.• 3	87.4	89.6	91.3	92.
GE	300-	9 • 7	74.0	77.0	83.1	86 <sub>↑</sub> 5	87.6	89-9	91.7	92.
GE	2 00-1	9-• 7	74 . C	77.0	83.1	86.•6	87 7		92.0	93 🍶
GE	100	9.7	74.0	77.9	83 • 1	86.6	8.7. 7	90 • 1	92.0	93.
6 E	0	9.7	74.• D	77.0	83.1	86.6	87.7	90.1	92.0	9-3 a <sup>±</sup>
			,,,,,,,,,,		*					*

ENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

		- 6		*****	нтиом			(LST):	ALL	
<b>\begin{align*}</b>	vISIBIL	ITY IN	HUNDRED	S OF ME	TERS	• • • • • •	• • • • • •	0.0 0 0 0 0 0°	• • • • • •	• • • • • • • • • • • •
	GE	GE	GE	GE	GE	GE	GE	GE	GE	-G E
1	32	24	20	16	12	10	8	5	4	0
							*** * * * *	• • • • • •	• • • • • •	
	26.7	27.1	27.5	27.8	27 0	20 N	30 1	20.7	20 5	20.7
1	20.,	2111	21.5	21.8	27.9	28.0	28.1	28.3	28.5	293
1	3-1-5	31.8	32.3	32 •-6	32.7	32.9	33.0	33.2	77 1	34.3
1	31.6	32.0	32.4	32.7	32.9	33.0	33.1	33.2	33.4 33.6	
.}-	31.7	32.0	32.5	32.8	32.9	33.1	33.2		•	34.4
	32.0	32.3	32 • s	33.1	33.3	33.4		33.4	33.6	34.5
	32.9	33.3	33.8	34.1	34.2		33.5	33.7	34.0	34.8
	****	~~~	23.0	V-1 ■ T	24.6	34 • 3	34.5	34.7	34.9	35.7
1	35.4	35.8	36.3	36.6	3.6 • 7	36 9-	77 O	77 0	27 C	70 7
1	36.3	36.7	37.2	37.5	37.6	37.7	37.0 37.9	372	37.,5	38.3
-	39.7	40.1	406	409	41.0			38 ; <u>1</u>	38.3	39.1
l	40.8	41.2	41.7			41.2	41.3	41.6	41.8	4.2 • 7
	41.9	42.3	42.8	42·1 43·2	42.2 43.3	42.4 43.4	42.5	42.8	43.0	4-3 • 9
		10,3	7 6.0	30 4 6	C • C L	70.4	43.6	43.8	44.1	4-4-•9
	46.7	47.2	47-•8	48.2	48.3	484	486	48.8	<i>t</i> : O 1	-ti O O
_	502	50-8	51.3	5.1: 8	51.9	52.0	52.2		4.9 - 1	499
	55.2	55.8	56.3		56.9	57.0		52.4	52.7	5.3 . 5
	59.0	59.6	60.2	56-•8 606			5.7 • 2	57.4	5 <i>7</i> ≥• 7	58.5
•	66-2	66.9	67.5	68 • D	60_8 68•2	60.9	61.0	61.3	6.1 • 6	62.4
	0012	0017	01.5	00.0	06.2	68.4	68.5	68.8	6 <sup>-</sup> 9.•0	69 • 9
	68.6	69.4	70.0	706	70.7	70.9	7-1/0	71.3	71.6	72.4
	74.2	75.0	75-6	76.3	76.5	76.6	7.6:• 8	77.1	77.3	<b>7</b> ₌8 • 2
	75.3	76.2	76.9	77.6	77•7	77.9	78-0	78.3	78.6	79-•4
	79.3	80.2	81.0	8.1.8	82.0	82.2	82.3	82.6	82.9	83.7
	82.5	83.5	84.3	85.2	85.4	85.5	85.7	86.D	86.2	87.1
	Ou E	o:c	07.11	07 7	07 5	م م	27.2			
	84.5	85.5	86.4	87.3	87.5	87.7	87-8	88.1	88.4	89.2
	85.6	86.7	87.6	8.8 • 6	88.8	89.0	8.9 • 1	89.4	89.7	90.5
	36.6	8.7∴ 8	88.7	89.7	89.9	90:-1	903	90-6	908	9-17
	87.5	88.8	89.8	90.8	91.1	91 • 2	91.4	91.7	92-0	92.8
	88.1	89. 5	9.0 • 5	91.5	91.8	92.0	92.1	92-•4	9-2 - 7	93.6
	89.C	90.5	91.5	92.8	93.1	9.3.3	93.5	93.9	94:•2	9.5 • 1
	89.6	91.3	92.3	93.8	94.1	94.3	94.5	95.0	95.3	96 • 1
	89.9	91.7	92.8	943	94.6	949	952	95 • 7	96.1	97.•4-
	90.0	22.0	93.2	94.8	95.2	955	95.8	96.4	9.6.9	987
	90.1	92.0	93.3	94-09	95.4	95.7	96.1	96-∙8	97.4	99.5
,	00.4									
	9-9 1.	92.0	93.3	95 • <u>(</u>	95 • 4	95.7	96.1	97.0	97.6	100.0

O

0

AIR WEATHER SERVICE/MAC

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE USAFETAC FROM HOURLY OBSE

STATION NUMBER: 036440 STATION NAME: MAF FAIRFORD UK

,	ILING IN   EET	GT 160	GE 90	6E 80	GE 6G	GE 48	GE 40	VISIBIL GE 32	GE 24	H UN D F G E
NO	CEIL	3 2	30.7	30.7	32.2	32.6	32.9	33.1	33.1	3 3∙.
6 E G E G E	20000   16000   16000   14000   12000	3.4 3.4 3.4 3.4	32.6 32.6 32.6 32.6 32.6	32.6 32.6 32.6 32.6 32.6	34 • 3 34 • 3 34 • 3 34 • 3	34.8 34.8	35.2 35.2 35.2 35.2	35.4 35.4 35.4 35.4 35.4	35.4 35.4 35.4	35, 35, 35,
666666	10000  9000  8000  7000  6000	3.4 3.4 3.5 3.6 3.9	33.8 34.0 35.8 36.4 36.5	33.8 34.0 35.8 36.4 36.5	35.6 35.8 37.6 38.2 38.3	36.1 36.4 38.2 38.7 38.8	352 36.5 36.7 38.6 39.1 392	36.7 37.0 38.8 39.3	35.4 36.7 37.0 38.9 39.5 39.6	3-9
GE GE GE GE	5000   4500   4000   3600	5.0 5.4 5.8 6.3	41.3 42.9 45.6 46.8 51.7	41.3 42.9 45.3 47.1 52.4	43.1 44.8 47.1 49.0 54.5	43.6 45.3 47.6 49.5 55.5	44.0 45.8 48.3 50.2 56.4	44 • 2 46 • 1 48 • 5 50 • 5 56 • 9	44.4 46.2 48.6 50.7 57.3	4.4 4.6 4.8 5.1 5.8
GE GE GE GE	2500   2000   1800   1500   1200	67 72 75 7.6 3.5	55.5 60.0 60.7 63.6 67.3	56.1 60.9 61.7 64.8 68.6	58.6 63.8 64.6 67.7 71.8	59.8 65.1 66.0 69.1 73.4	60.7 66.0 66.9 76.1 74.4	61.2 66.5 67.4 70.6 74.9	62.0 67.4 68.4 71.7 75.9	68, 69, 72,
G E G E G E G E	1000   900   800   700   600	8.7 8.7 8.7 8.7 8.8	69: 5 70 · 2 70 · 6 72 · 3 73 · 2	70.9 71.7 72.2 74.1 75.3	74 • 1 74 • 9 75 • 9 77 • 9 79 • 3	75.8 76.6 77.7 79.7 81.5	76.8 77.6 78.8 80.7 32.5	77.4 78.1 79.3 81.2 83.1	78.5 79.3 80.6 82.5 84.3	8 1 . 8 3 .
6 E 6 E 6 E 6 E	500   400   300   200   100	8.8 8.8 8.8 8.8	73.6 73.7 73.9 73.9 73.9	75.8 75.9 76.1 76.1 76.1	80.3 80.6 81.0 81.0	8 2 • 9 8 3 • 3 8 3 • 8 8 3 • 8 8 3 • 8	84.0 84.3 84.9 84.9	84 • 9 85 • 5 86 • 4 86 • 4	86.2 87.1 88.0 88.0 88.1	87. 88. 89. 89.
GE	13	8.8	73.9	761	81.0	83-,8	84.9	86 🕏	88.1	8-9 <sub>-</sub>

CILIN EQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

	RF ORD	UK				PERIOD MONTH		RD: 74	-76,80-8 (LST): (		na
)F ME		• • • • •	e-	• • • • • • •							UU .
GE	V		ITY IN H	HUNDREDS	OF ME	TERS					
16	βE	GE	GE	GE	GE	GE	GE	GE	GΕ	GE	GE
	46	32	24	20	16	12	10	-8	5	4-	0
		• • • • • •	• • • • • • •				• • • • • •			•••••	
33.5	-										
	2.9	33.1	33.1	33.1	33.5	33.8	34 • O	34.0	34:• 3	34 • .3	3.5-•8
<b>16</b> • 1	1	<b>3</b>	7 ° '.	92 P. A.	***		<b>-</b>		** 0	7.	70 0
26 1	5.2	35.4	35.4	35.4	36 • 1	36.4	366	36.6	36.9	36.9	38.4
7/ 4	β. 2	35.4	35.4	35.4	36 • 1	36.4	36.6	36.6	36 • 9	36.9	38 -4
17 1	6.2	35.4	35.4	35.4	36.1	36.4	36.6	3.6 • 6	369	36.9	38 • 4
36 • 1	5.2 5.2	35-4	35.4	35.4	36 • 1	36.4	36.6	36.6	36.9	36.9	38.4
	5.2	35.4	35 • 4-	35 • 4	36.1	36 • 4-	36.6	36.6	36.9	36.9	38.4
37 4	6.5	36.7	36.7	36.7	37.4	37.6	379	37.9	38.2	38.2	39.7
37.6	6.7	37.0	370	37:.0	37.6	37.0	38.2	38.2	384	38 • 4	40.0
0 / O.C	8.6	38.8	38.9	38.9	3-9.4-6	40.0	40.2	40.2	40.5	40.5	42.0
10 - 1		39.3	3.9.5	39.5	40.1	40.5	40.8	40.2 40.8	41.0	4-10	42.6
<b>∤D.•.2</b>	9 1 9 2	39.5	39.6	39.6	40.2	40.6	40.9	40:∙ <i>-</i> 9	4-1 • .1	41.1	42.7
	7 1.2	23.47	3740	J 7- 1 Q	40.2	40.0	40.47	4 U. • -7	4 T + T	41.1	441
15.1	4.0	44.2	44.4	44.4	45.1	45-•-5	45.8	45.8	46.1	46.1	47.6
17.1	5.8	46-1	46.2	46.2	47.1	47.6	47.9	47.9	48.1	48.1	49.7
77-63	8.3	48.5	48.6	48-6	49.5	50.1	5 <sub>0</sub> • 3	50.3	50.6	50.6	52.1
02.0	(.2	50.5	50.7	51.1	52.0	52.5	52.8	52.8	53 • n	53.0	54.9
59.1	c . 4	56.9	5.7.3	58.0	59.1	5.96	59.9	59.9	60.2	60.2	62.0
3.8	}_						-				
59.2	C.7	61.2	62.0	62.6	63.8	64.3	64.6	646	64.8	64.8	66.6
27 • 4 -	6.0	66.5	67.4	6.8 • 0	69.2	69.7	70.0	70.0	70.2	70.2	7.2.1
70.2 13.7	6.9	67.4	68.4	69.1	70.2	70.8	71-0	71.0	71.3	71.3	73.1
78.3	1.1	70.6	71:47	72.3	73.7	7-4.3	74.5	74.5	74.8	74.8	76.6
10.3	4 4	74.9	75.9	76.7	78,3	78.8	79 0	79.0	79-3	79.3	81.1
31.0							-		•		
งา. ต	10 • 8	77.4	7-8 • 5	79.3	8-1 0	8-1.5	81.8	8-1-8	82.•O	82.D	8-38
33.1	7.0	7-8 • 1	79.3	80.1	81.8	82.3	82.5	82 • 5	82.8	82.8	84.6
35.G	8.8	793	8°0., 6	81.4	83-1	83-6	83.8	83.8	84-•:1-	84.1	85. <b>-</b> -9
26 0	E. 7	81.2	82.5	83.3	85.0	85.5	85.9	85.9	86.2	86.2	88.0
	2.5	8:3.1	84.3	85.1	86 •8-	87.3	87.7	87.7	8-80	88.0	89 <sup>-</sup> ∙8
39.0											
an . u - l	14.0	84.9	86.2	87.3	89.0	89.5	899-	89.9	90•2	90.2	92.0
2.1 8	.4.3	85.5	87.1	88.4	90 • 4	90.9	9-1 3	91.3	91.6	91.6	9-34
11. g - l	14.9	86-4	88.0	89.7	91.8	9-2.5	92.0	92.•9	93.3	93.3	95.2
12.2	34.9	864	88.0	89.7	91.8	92.8	93.3	93.3	94.0	94.2	97.3
	34.9	86-∙5	88.1	89.9	92.2	93:4	939	93.9	947	95.0	-98 <sub>-•-</sub> 7-
2.2						A:## .		<b>.</b>			
	34.9	86-∙5	8.8. 1	8-9 • 9	9.2 • 2	93.4	93.9	94 • O	94-•≤8	95,5	100.0

(

(

( ]

( \_

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD LK

r	LING	,	T	~ <del>~</del>	0.5	,. p	٥.5	e> <b>(**</b>	VISIBILI	
	N Et		GT		GE	GE	GE # S	GE " C	GE	GE
	. [2] . • • • • •		160					4-0	32	24
N-0	CEIL	i	2.7	24.2	24.7	25 • 8	26.8	27.1	27.3	27.3
6 E	20000		2.9	26.4	27.1	28 •-2	29.4	29.6	2.9 • -9	29.9
	18000		3 ; 2	26.7	27.3	28-• 5	29-6	29.9	30.1	30.1
	16000		3.2		27.3	28.5	29.6	29.9	30.1	30.1
	14900		32		27.4	28.6	29.7	30.0	30.3	30.3
GΈ	12000		3.2	27 • 2	27.8	29.0	30.1	30.4	30.6	30.6
G E	10000		3.2		29.6	30 • 1	31.3	31.5	31.8	31.8
GΕ	9000		3.2		29.45	30.6	31-8	32.1	32.3	32.3
GE	8000		3.2		31.9	33 <sub>• 2</sub>	34 • 4	34.6	34.9	34.9
GE	7000		3. 2		32.4	33.7	34.9	35-1	3·5 · 4	35 • 4
3 E	6000		3.2	31.8	32-6	3-3 • 8	35.0	35.3	35.5	35,6
ă-E	5000	-	<b>3.</b> 8	35.9	36.7	38 - 1	39 • 2	3.9 . 5	39.7	40.0
£.	4500	1	4.1	37.9	38.7	40. · 1	41.3	41.5	4-1 - 8	42.1
3 E	4 C 0 0		4.4		41.3	42.8	44.1	44.4	4.4 • 6	44.9
GΣ	3500		4 6		43.8	45.6	47.1	47.3	4.76	47 9
GE	3000	-	5.8	50.1	51.4	53.5	54.9	55.1	55.4	56.3
3 E	2500		6.0		54.2	56-•8	58.3	58•6	58.8	59.9
5 E	2000		6.3	57.6	59.2	61.9	63.6	64.0	64.5	65.5
בֿ בֿ	1800		6.3		60.8	63.6	65.4	65.8	66.3	67.3
GE	1500	•	6 · 3		63.7	66.9	68.7	69 • 1	69.6	70.6
G E	1200		7.3	65.8	67.6	70.∙ გ	72.6	72.9	73.5	7:4 • 7
<b>3-E</b>	1000		7 8		70.8	74.0	75.9	76 • 3	76.8	78.2
3 E	9 00		7 8		7-1 - 4	74 • 6	76.7	77:- 1	7.76	79.0
j E	800		8.1		72.4	75.8	77.9	78.3		80.4
3 E	700	-	g. 2		73.6	77-• 1	79.2	79.6	80.3	8.1 - 7
3 E	6 00	1	8.2	71-₃8	74 • 1	77 • 7	7.9. • 9	80.3	80.9	82.4
3 E	5 00		8.3		75.0			81.8		
G E	4 00		8 3		75.0	79 • 1	81.8		83.7	•
GE	300	•	8.3						84.6	
GE	2 00				75.0				85.1	
5 E	1 00	1	8. <i>5</i>	72.7	75.0	79.6	82.7	83.3	85-+1	87.9
				72.7						

# EQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

VISIBILITY IN HUNDREDS OF METERS  GE GE GE GE GE GE GE GE GE GE GE GE  1 27.3 27.3 27.4 28.1 28.1 28.1 28.3 28.6 29.0 29.6  29.9 29.9 30.0 30.6 30.6 30.6 30.9 31.2 31.5 32.2  29.30.1 30.1 30.3 30.9 30.9 30.9 31.2 31.4 31.8 32.4  29.30.1 30.1 30.3 30.9 30.9 30.9 31.2 31.4 31.8 32.4  30.3 30.3 30.3 30.4 31.0 31.0 31.0 31.3 31.5 31.9 32.6  30.6 30.6 30.9 31.5 31.5 31.5 31.8 32.1 32.4 33.1  31.8 31.8 32.1 32.7 32.7 32.7 32.9 33.2 33.6 34.2							DEC			)300- <sub>0</sub> 5	00	
6E 6E 6E 6E 6E 6E 6E 6E 6E 6E 6E 6E 6E 6	•											
32       24       20       16       12       10       8       5       4       0         1       27.3       27.4       28.1       28.1       28.1       28.3       28.6       29.0       29.6         6       29.9       29.9       30.0       30.6       30.6       30.6       30.9       31.2       31.4       31.8       32.4         9       30.1       30.1       30.3       30.9       30.9       30.9       31.2       31.4       31.8       32.4         9       30.1       30.1       30.3       30.9       30.9       31.2       31.4       31.8       32.4         9       30.1       30.1       30.3       30.9       31.0       31.0       31.0       31.3       31.5       31.9       32.4         1       30.6       30.0       31.5       31.5       31.5       31.5       31.9       32.4       33.1         1       30.3       30.9       31.2       33.2       32.3       32.3       32.3       32.3       32.3       32.3       32.3       32.3       32.3       32.3       33.2       33.2       33.2       33.7       34.1       34.7       34.1 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>GE</td> <td>GE</td> <td>GЕ</td> <td>GE</td> <td>GE</td> <td></td>							GE	GE	GЕ	GE	GE	
1 27.3 27.3 27.4 28.1 28.1 28.1 28.3 28.6 29.0 29.6  6 29.9 29.9 30.0 30.6 30.6 30.6 30.9 31.2 31.5 32.2  9 30.1 30.1 30.3 30.9 30.9 30.9 31.2 31.4 31.8 32.4  9 30.3 30.3 30.3 30.9 31.0 31.0 31.0 31.3 31.5 31.9 32.6  4 30.6 30.6 30.9 31.5 31.5 31.5 31.8 32.1 32.4 33.1  5 31.8 31.8 32.1 32.7 32.7 32.7 32.9 33.2 33.6 34.2  1 32.3 32.3 32.6 33.2 33.2 33.2 33.5 33.7 34.1 34.7 34.7  5 34.9 34.9 35.1 35.8 35.8 35.8 35.8 35.8 35.8 35.8 35.8	G	32	24			12	1 n	8	5	4	0	
5 29.9 29.9 30.0 30.6 30.6 30.9 31.2 31.5 32.2 30.1 30.1 30.3 30.9 30.9 30.9 31.2 31.4 31.8 32.4 30.1 30.1 30.3 30.9 30.9 30.9 31.2 31.4 31.8 32.4 31.3 30.3 30.3 30.4 31.0 31.0 31.0 31.3 31.5 31.9 32.6 31.6 30.6 30.6 30.9 31.5 31.5 31.5 31.5 31.5 32.4 33.1 32.3 32.4 33.1 32.4 33.2 33.2 33.2 33.2 33.2 33.2 33.2												
29.9												
9 30.1 30.1 30.3 30.9 30.9 31.2 31.4 31.8 32.4 31.3 30.1 30.1 30.3 30.9 30.9 30.9 31.2 31.4 31.8 32.4 31.8 32.4 30.6 30.6 30.9 31.5 31.0 31.0 31.3 31.5 31.9 32.6 30.6 30.6 30.9 31.5 31.5 31.6 32.1 32.4 33.1 33.1 32.1 32.4 33.1 32.4 33.1 32.4 33.1 32.4 33.1 33.1 32.1 32.4 33.1 33.1 32.1 32.4 33.1 33.1 32.1 32.4 33.1 33.1 32.1 32.1 32.1 32.1 32.1 32.1	1	27.3	27.3	27.4	28.1	28.1	28.1	28.3	28.6	29.0	2.9 • 6	
29       30.1       30.3       30.9       30.9       30.9       31.2       31.4       31.8       32.4         20       30.1       30.1       30.3       30.9       30.9       31.0       31.2       31.4       31.8       32.4         20       30.3       30.3       30.4       31.0       31.0       31.3       31.5       31.9       32.6         30.6       30.6       30.9       31.5       31.5       31.8       32.1       32.4       33.1         31.8       31.8       32.1       32.7       32.7       32.9       33.2       33.6       34.2         32.3       32.3       32.6       33.2       33.2       33.5       33.5       33.7       34.1       34.7         34.9       34.9       35.6       36.3       36.3       36.3       36.3       36.3       36.3       36.3       36.3       36.3       36.3       36.3       36.3       37.2       37.8       37.2       37.8       37.3       37.4       38.1       38.1       37.2       37.8       37.3       37.4       38.1       38.1       37.2       37.8       37.3       37.3       37.3       37.3       37.3       37.3 <td><b>5</b></td> <td>29.9</td> <td>29.9</td> <td>30.0</td> <td>30.6</td> <td>30.6</td> <td>30.6</td> <td>30.9</td> <td>31.2</td> <td>31.5</td> <td>32.2</td> <td></td>	<b>5</b>	29.9	29.9	30.0	30.6	30.6	30.6	30.9	31.2	31.5	32.2	
20											32.4	
30.3 30.3 30.4 31.0 31.0 31.0 31.3 31.5 31.9 32.6 30.6 30.6 30.9 31.5 31.5 31.5 31.8 32.1 32.4 33.1 32.4 33.1 32.3 32.3 32.6 33.2 33.2 33.2 33.2 33.2												
4       30.6       30.9       31.5       31.5       31.5       31.8       32.1       32.4       33.1         5       31.8       31.8       32.1       32.7       32.7       32.9       33.2       33.6       34.2         1       32.3       32.3       32.6       33.2       33.2       33.5       33.7       34.1       34.7       37.3       36.3       36.3       36.3       36.3       36.3       36.3       36.3       36.7       37.3       37.3       37.3       37.3       37.3       37.3       37.3       37.3       37.3       36.3       36.3       36.5       36.8       37.2       37.3       37.3       37.3       37.3       37.3       38.1       35.6       36.5       36.5       36.5       36.8       37.1       37.4       38.1       38.1       37.2       37.3       38.1       37.2       37.3       37.3       37.3       38.1       37.2       37.3       37.3       38.1       37.2       37.3       37.3       38.1       37.2       37.3       37.3       38.1       37.2       37.3       37.3       38.1       37.2       37.3       37.3       38.3       36.5       36.5       36.5       36.5 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>												
31.8 31.8 32.1 32.7 32.7 32.7 32.9 33.2 33.6 34.2 32.3 32.3 32.3 32.3 32.3 32.3 32.3												
1 32.3 32.3 32.6 33.2 33.2 33.2 33.5 33.7 34.1 34.7 34.9 35.1 35.8 35.8 35.8 35.8 36.0 36.3 36.7 37.3 37.8 35.4 35.4 35.6 36.3 36.3 36.5 36.8 37.2 37.8 35.5 35.6 35.9 36.5 36.5 36.8 37.1 37.4 38.1 38.1 37.4 38.1 38.1 38.1 38.1 38.1 38.1 38.1 38.1	•	3010	20.0	3007	52.0							
1 32.3 32.3 32.6 33.2 33.2 33.2 33.5 33.7 34.1 34.7 34.3 34.9 35.1 35.8 35.8 35.8 36.0 36.3 36.7 37.3 37.3 37.3 35.4 35.4 35.6 36.3 36.5 36.8 37.2 37.8 37.8 35.4 35.5 35.6 35.9 36.5 36.5 36.8 37.1 37.4 38.1 35.5 35.5 35.6 35.9 36.5 36.5 36.8 37.1 37.4 38.1 35.3 35.5 35.6 35.9 36.5 36.5 36.8 37.1 37.4 38.1 35.4 36.8 37.1 37.4 38.1 35.4 36.8 37.1 37.4 38.1 35.4 36.8 37.1 37.4 38.1 35.4 36.8 37.1 37.4 38.1 35.4 36.8 37.1 37.4 38.1 35.4 36.8 37.1 37.4 38.1 35.4 36.8 37.1 37.4 38.1 35.4 36.8 37.1 37.4 38.1 35.4 36.8 37.1 37.4 38.1 35.4 36.8 37.1 37.4 38.1 35.4 36.8 37.1 37.4 38.1 35.4 36.8 37.1 37.4 38.1 35.4 36.8 37.1 37.4 38.1 35.4 36.8 37.1 37.4 38.1 35.4 36.8 37.1 37.4 38.1 35.1 35.1 37.4 38.1 35.1 37.4 38.1 35.1 37.4 38.1 37.1 37.4 37.1 37.4 38.1 37.1 37.4 37.1 37.4 37.1 37.1 37.4 38.1 37.1 37.4 37.1 37.1 37.4 38.1 37.1 37.1 37.4 38.1 37.1 37.1 37.1 37.4 38.1 37.1 37.1 37.1 37.1 37.1 37.1 37.1 37	5	31.8	31.8	32.1	32.7	32.7	32.7	32.9	33.2	33.6	34.2	
34.9 34.9 35.1 35.8 35.8 35.8 36.0 36.3 36.7 37.3 35.4 35.4 35.4 35.6 36.3 36.3 36.5 36.8 37.2 37.8 35.5 35.6 35.9 36.5 36.5 36.5 36.8 37.1 37.4 38.1 35.5 35.6 35.9 36.5 36.5 36.5 36.8 37.1 37.4 38.1 38.1 38.1 38.1 38.1 38.1 38.1 38.1	1		32.3	32.6	33.2	33.2	33.2	33.5	33.7	34.1	34 • 7	
35.4 35.4 35.6 36.3 36.3 36.3 36.5 36.8 37.2 37.8 35.5 35.6 35.9 36.5 36.5 36.8 37.1 37.4 38.1 37.4 37.4 38.1 37.4 37.4 37.4 37.4 37.4 37.4 37.4 37.4		34.9			35.8	35-•8	35.8	36.0	36.3	36.7	37.3	
3 35.5 35.6 35.9 36.5 36.5 36.5 36.8 37.1 37.4 38.1  5 39.7 40.0 40.3 40.9 40.9 40.9 41.2 41.4 41.8 42.4 41.8 42.1 42.3 42.9 42.9 42.9 43.2 43.5 43.8 44.5 44.6 44.9 45.1 45.9 45.9 45.9 46.2 46.4 46.8 47.4 47.6 47.9 48.2 49.1 49.1 49.1 49.4 49.6 50.0 50.6 1 55.4 56.3 56.5 57.7 57.8 57.8 58.1 58.3 59.0 59.6 6 58.8 59.9 60.1 61.3 61.4 61.4 61.7 61.9 62.6 63.2 64.5 65.5 65.8 66.9 67.1 67.1 67.3 67.6 68.2 68.8 66.3 67.3 67.6 68.7 68.8 68.8 69.1 69.4 70.0 70.6 1 69.6 70.6 70.9 72.1 72.2 72.2 72.4 72.7 73.3 74.0 70.6 73.5 74.7 75.0 76.2 76.3 76.3 76.5 76.8 81.0 81.7 82.3 79.0 80.4 80.6 81.8 81.9 81.9 82.2 82.4 83.1 83.7 85.9 80.4 80.6 81.8 81.9 81.9 82.2 82.4 83.1 83.7 68.0 80.3 81.7 81.9 83.1 83.3 83.3 83.6 83.8 84.5 85.1 83.7 85.9 86.3 87.9 88.2 88.2 88.2 88.5 88.8 89.5 90.1 98.4 6 87.2 87.6 89.5 80.9 88.2 88.2 88.5 88.8 89.5 90.1 98.4 6 87.2 87.6 89.5 80.9 89.9 90.1 90.9 91.8 92.4 83.7 85.9 86.3 87.9 88.5 90.6 91.7 91.8 92.1 93.2 94.4 96.4 95.8 89.5 80.2 82.1 87.9 88.5 90.6 91.7 91.8 92.1 93.2 94.4 96.4 95.8 88.2 88.5 88.8 89.5 90.1 88.5 1 87.9 88.5 90.6 91.7 91.8 92.1 93.2 94.4 96.4 95.8 88.2 88.5 1 87.9 88.5 90.6 91.7 91.8 92.1 93.2 94.4 96.4 95.8 98.2									36.8	37.2	37.8	
5       39.7       40.0       40.3       40.9       40.9       40.9       41.2       41.4       41.8       42.4         5       41.8       42.1       42.3       42.9       42.9       42.9       43.2       43.5       43.8       44.5         4       44.6       44.9       45.1       45.9       45.9       46.2       46.4       46.8       47.4         3       47.6       47.9       48.2       49.1       49.1       49.1       49.4       49.6       50.0       50.6         1       55.4       56.3       56.5       57.7       57.8       57.8       58.1       58.3       59.0       59.6         6       58.8       59.9       60.1       61.3       61.4       61.7       61.9       62.6       63.2         6       58.8       59.9       60.1       61.3       61.4       61.7       61.9       62.6       63.2         6       68.8       66.9       67.1       67.1       67.3       67.6       68.2       68.8       68.8       69.1       69.4       70.0       70.6         1       69.6       70.6       70.9       72.1       72.2       72.2	3								37.1	37.4	38-•1	
5       41.8       42.1       42.3       42.9       42.9       43.2       43.5       43.8       44.5         4       44.6       44.9       45.1       45.9       45.9       45.9       46.2       46.4       46.8       47.4         3       47.6       47.9       48.2       49.1       49.1       49.4       49.6       50.0       50.6         1       55.4       56.3       56.5       57.7       57.8       57.8       58.1       58.3       59.0       59.6         6       58.8       59.9       60.1       61.3       61.4       61.4       61.7       61.9       62.6       63.2         0       64.5       65.5       65.8       66.9       67.1       67.1       67.3       67.6       68.2       68.8         8       66.3       67.3       67.6       68.7       68.8       68.8       69.1       69.4       70.0       70.0         9       73.5       74.7       75.0       76.2       76.3       76.3       76.5       76.8       77.4       78.1         3       76.8       78.2       78.5       79.6       79.7       79.7       80.0       80.3					-	-0						
5       41.8       42.1       42.3       42.9       42.9       43.2       43.5       43.8       44.5         4       44.6       44.9       45.1       45.9       45.9       45.9       46.2       46.4       46.8       47.4         3       47.6       47.9       48.2       49.1       49.1       49.4       49.6       50.0       50.6         5       55.4       56.3       56.5       57.7       57.8       57.8       58.1       58.3       59.0       59.6         6       58.8       59.9       60.1       61.3       61.4       61.4       61.7       61.9       62.6       63.2         6       64.5       65.5       65.8       66.9       67.1       67.1       67.3       67.6       68.2       68.8         8       66.3       67.3       67.6       68.7       68.8       68.8       69.1       69.4       70.0       70.0         9       73.5       74.7       75.0       76.2       76.3       76.3       76.5       76.8       77.4       78.1         3       76.8       78.2       78.5       79.6       79.7       79.7       80.0       80.3	5	39.7	40.0	40.3	40.9	40.9	40.9	41.2	41.4	41.8	42.4	
4       44.6       44.9       45.1       45.9       45.9       45.9       46.2       46.4       46.8       47.4         3       47.6       47.9       48.2       49.1       49.1       49.1       49.4       49.6       50.0       50.6         5       55.4       56.3       56.5       57.7       57.8       57.8       58.1       58.3       59.0       59.6         5       58.8       59.9       60.1       61.3       61.4       61.4       61.7       61.9       62.6       63.2         6       68.5       65.5       65.8       66.9       67.1       67.1       67.3       67.6       68.2       68.8         6       63.6       70.6       70.9       72.1       72.2       72.2       72.4       72.7       73.3       74.0         7       73.5       74.7       75.0       76.2       76.3       76.5       76.8       77.4       78.1         3       76.8       78.2       78.5       79.6       79.7       79.7       80.0       80.3       80.9       81.5         3       79.0       80.4       80.5       80.5       80.8       81.0       81.7	5	41.8	4.2 . 1.	42.3	42.9	42.9	42.9	43.2	43.5	43.8	44.5	
3       47.6       47.9       48.2       49.1       49.1       49.1       49.4       49.6       50.0       50.6         5       55.4       56.3       56.5       57.7       57.8       57.8       58.1       58.3       59.0       59.6         6       58.8       59.9       60.1       61.3       61.4       61.4       61.7       61.9       62.6       63.2         6       64.5       65.5       65.8       66.9       67.1       67.1       67.3       67.6       68.8       68.8       69.1       69.4       70.0       70.6       70.0       70.6       70.9       72.1       72.2       72.2       72.4       72.7       73.3       74.0       74.0       73.5       74.7       75.0       76.2       76.3       76.5       76.8       77.4       78.1         3       76.8       78.2       78.5       79.6       79.7       79.7       80.0       80.3       80.9       81.5         3       79.0       80.4       80.5       80.5       80.8       81.0       81.7       82.3         3       79.0       80.4       80.6       81.8       81.9       82.4       83.7       83		44.6	44.9	45.1	459	45 9	459	46.2	46.4	46.8	474	
1       55.4       56.3       56.5       57.7       57.8       57.8       58.1       58.3       59.0       59.6         6       58.8       59.9       60.1       61.3       61.4       61.4       61.7       61.9       62.6       63.2         0       64.5       65.5       65.8       66.9       67.1       67.1       67.3       67.6       68.2       68.8         1       69.6       70.6       70.9       72.1       72.2       72.2       72.4       72.7       73.3       74.0         9       73.5       74.7       75.0       76.2       76.3       76.5       76.8       77.4       78.1         3       76.8       78.2       78.5       79.6       79.7       79.7       80.0       80.3       80.9       81.5         1       77.6       79.0       79.2       80.4       80.5       80.5       80.8       81.0       81.7       82.3         3       79.0       80.4       80.5       80.5       80.8       81.0       81.7       82.3         3       79.0       80.4       80.6       81.8       81.9       82.2       82.4       83.1       83.7	3			48.2	49.1	49.1	49.1	49.4	49.6	50.0	5 <b>0</b> -∙6	
0       64.5       65.5       65.8       66.9       67.1       67.1       67.3       67.6       68.2       68.8         8       66.3       67.3       67.6       68.7       68.8       68.8       69.1       69.4       70.0       70.0       70.6         1       69.6       70.6       70.9       72.1       72.2       72.2       72.4       72.7       73.3       74.0         9       73.5       74.7       75.0       76.2       76.3       76.5       76.8       77.4       78.1         3       76.8       78.2       78.5       79.6       79.7       79.7       80.0       80.3       80.9       81.5         1       77.6       79.0       79.2       80.4       80.5       80.5       80.8       81.0       81.7       82.3         3       79.0       80.4       80.6       81.8       81.9       81.9       82.2       82.4       83.1       83.7         6       80.3       81.7       81.9       83.1       83.3       83.3       83.6       83.8       84.5       85.1         8       82.9       84.9       85.3       86.5       86.8       86.8	1			56.5	57.7	57.•8	57.8	58 • 1	58.3	590	59.6	
0       64.5       65.5       65.8       66.9       67.1       67.1       67.3       67.6       68.2       68.8         8       66.3       67.3       67.6       68.7       68.8       68.8       69.1       69.4       70.0       70.0       70.6         1       69.6       70.6       70.9       72.1       72.2       72.2       72.4       72.7       73.3       74.0         9       73.5       74.7       75.0       76.2       76.3       76.5       76.8       77.4       78.1         3       76.8       78.2       78.5       79.6       79.7       79.7       80.0       80.3       80.9       81.5         1       77.6       79.0       79.2       80.4       80.5       80.5       80.8       81.0       81.7       82.3         3       79.0       80.4       80.6       81.8       81.9       81.9       82.2       82.4       83.1       83.7         6       80.3       81.7       81.9       83.1       83.3       83.3       83.6       83.8       84.5       85.1         8       82.9       84.9       85.3       86.5       86.8       86.8	ć.	5.0 G	50 0	6n.1	61.3	6.1 . 4	61.4	6.1 <sub>m</sub> . Ž	61.9	62.6	632	
8       66.3       67.3       67.6       68.7       68.8       68.8       69.1       69.4       70.0       70.6         1       69.6       70.6       70.9       72.1       72.2       72.2       72.4       72.7       73.3       74.0         9       73.5       74.7       75.0       76.2       76.3       76.5       76.8       77.4       78.1         3       76.8       78.2       78.5       79.6       79.7       79.7       80.0       80.3       80.9       81.5         1       77.6       79.0       79.2       80.4       80.5       80.5       80.8       81.0       81.7       82.3         3       79.0       80.4       80.6       81.8       81.9       81.9       82.2       82.4       83.1       83.7         6       80.3       81.7       81.9       83.1       83.3       83.3       83.6       83.8       84.5       85.1         8       82.9       84.9       85.3       86.5       86.8       86.8       87.1       87.4       88.1       88.7         9       84.6       87.2       87.6       89.5       89.9       89.9       90.1												
1       69.6       70.6       70.9       72.1       72.2       72.2       72.4       72.7       73.3       74.0         9       73.5       74.7       75.0       76.2       76.3       76.3       76.5       76.8       77.4       78.1         3       76.8       78.2       78.5       79.6       79.7       79.7       80.0       80.3       80.9       81.5         1       77.6       79.0       79.2       80.4       80.5       80.5       80.8       81.0       81.7       82.3         3       79.0       80.4       80.6       81.8       81.9       81.9       82.2       82.4       83.1       83.7         6       80.3       81.7       81.9       83.1       83.3       83.6       83.8       84.5       85.1         3       80.9       82.4       92.7       83.8       84.1       84.1       84.4       84.6       85.3       85.9         8       82.9       84.9       85.3       86.5       86.8       86.8       87.1       87.4       88.1       88.7         9       84.6       87.2       87.6       89.5       89.9       89.9       90.1												
73.5       74.7       75.0       76.2       76.3       76.3       76.5       76.8       77.4       78.1         3       76.8       78.2       78.5       79.6       79.7       79.7       80.0       80.3       80.9       81.5         1       77.6       79.0       79.2       80.4       80.5       80.5       80.8       81.0       81.7       82.3         3       79.0       80.4       80.6       81.8       81.9       81.9       82.2       82.4       83.1       83.7         6       80.3       81.7       81.9       83.1       83.3       83.3       83.6       83.8       84.5       85.1         3       80.9       82.4       92.7       83.8       84.1       84.1       84.4       84.6       85.3       85.9         8       82.9       84.9       85.3       86.5       86.8       86.8       87.1       87.4       88.1       88.7         8       82.9       84.9       85.3       86.5       86.8       86.8       87.1       87.4       88.1       88.7         9       84.6       87.2       87.6       89.5       89.9       89.9       90.1 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>												
3       76.8       78.2       78.5       79.6       79.7       79.7       80.0       80.3       80.9       81.5         1       77.6       79.0       79.2       80.4       80.5       80.5       80.8       81.0       81.7       82.3         3       79.0       80.4       80.6       81.8       81.9       81.9       82.2       82.4       83.1       83.7         6       80.3       81.7       81.9       83.1       83.3       83.6       83.8       84.5       85.1         3       80.9       82.4       92.7       83.8       84.1       84.1       84.4       84.6       85.3       85.9         8       82.9       84.9       85.3       86.5       86.8       86.8       87.1       87.4       88.1       88.7         8       82.9       84.9       85.3       86.5       86.8       86.8       87.1       87.4       88.1       88.7         9       84.6       87.2       87.6       89.5       89.9       89.9       90.1       90.9       91.8       92.4         3       85.1       87.9       88.5       90.6       91.7       91.8       92.1												
77.6 79.0 79.2 80.4 80.5 80.5 80.8 81.0 81.7 82.3 79.0 80.4 80.6 81.8 81.9 81.9 82.2 82.4 83.1 83.7 85.9 82.9 84.9 85.3 86.5 86.8 86.8 87.1 87.4 88.1 88.7 83.7 85.9 86.3 87.9 88.2 88.2 88.5 88.8 89.5 90.1 84.6 87.2 87.6 89.5 89.9 89.9 90.1 90.9 91.8 92.4 85.1 87.9 88.5 90.6 91.7 91.8 92.1 93.2 94.4 96.4 85.1 87.9 88.6 91.2 92.6 92.7 92.9 94.4 95.8 98.2		, 5 , 5		75.0	, 0 1-2		, 0 0 0		, , , , , , , , , , , , , , , , , , , ,	, ,	, 5 - 2	
3       79.0       80.4       80.6       81.8       81.9       81.9       82.2       82.4       83.1       83.7         3       80.3       81.7       81.9       83.1       83.3       83.6       83.8       84.5       85.1         3       80.9       82.4       92.7       83.8       84.1       84.1       84.4       84.6       85.3       85.9         8       82.9       84.9       85.3       86.5       86.8       86.8       87.1       87.4       88.1       88.7         8       83.7       85.9       86.3       87.9       88.2       88.2       88.5       88.8       89.5       90.1         9       84.6       87.2       87.6       89.5       89.9       89.9       90.1       90.9       91.8       92.4         3       85.1       87.9       88.5       90.6       91.7       91.8       92.1       93.2       94.4       96.4         3       85.1       87.9       88.6       91.2       92.6       92.7       92.9       94.4       95.8       98.2		76.8	78.2		79₌∙6		-					
6       80.3       81.7       81.9       83.1       83.3       83.6       83.8       84.5       85.1         3       80.9       82.4       92.7       83.8       84.1       84.1       84.4       84.6       85.3       85.9         8       82.9       84.9       85.3       86.5       86.8       86.8       87.1       87.4       88.1       88.7         4       83.7       85.9       86.3       87.9       88.2       88.2       88.5       88.8       89.5       90.1         9       84.6       87.2       87.6       89.5       89.9       89.9       90.1       90.9       91.8       92.4         3       85.1       87.9       88.5       90.6       91.7       91.8       92.1       93.2       94.4       96.4         3       85.1       87.9       88.6       91.2       92.6       92.7       92.9       94.4       95.8       98.2	1	77.6	79.0	79.2	80,4	-80.•5	80.5	80.8				
3     80.9     82.4     92.7     83.8     84.1     84.1     84.4     84.4     84.6     85.3     85.9       8     82.9     84.9     85.3     86.5     86.8     86.8     87.1     87.4     88.1     88.7       4     83.7     85.9     66.3     87.9     88.2     88.2     88.5     88.8     89.5     90.1       9     84.6     87.2     87.6     89.5     89.9     89.9     90.1     90.9     91.8     92.4       3     85.1     87.9     88.5     90.6     91.7     91.8     92.1     93.2     94.4     96.4       3     85.1     87.9     88.6     91.2     92.6     92.7     92.9     94.4     95.8     98.2	3	79.0	80.4	80.6	81.8	81.9	81.9	82.2	82.4	83.1	83.•7	
8     82.9     84.9     85.3     86.5     86.8     86.8     87.1     87.4     88.1     88.7       4     83.7     85.9     86.3     87.9     88.2     88.2     88.5     88.8     89.5     90.1       9     84.6     87.2     87.6     89.5     89.9     89.9     90.1     90.9     91.8     92.4       3     85.1     87.9     88.5     90.6     91.7     91.8     92.1     93.2     94.4     96.4       3     85.1     87.9     88.6     91.2     92.6     92.7     92.9     94.4     95.8     98.2	6	80.3	8-1.7	81.9	83.1	83.3	83,3	83.6	83.8	84.5	85-• <del>1</del>	
83.7 85.9 86.3 87.9 88.2 88.2 88.5 88.8 89.5 90.1 9 84.6 87.2 87.6 89.5 89.9 89.9 90.1 90.9 91.8 92.4 3 85.1 87.9 88.5 90.6 91.7 91.8 92.1 93.2 94.4 96.4 3 85.1 87.9 88.6 91.2 92.6 92.7 92.9 94.4 95.8 98.2	3	80.9	82.4	92.7	83.8	84.1	84.1	84.4	84.6	85.3	85.9	
4     83.7     85.9     86.3     87.9     88.2     88.2     88.5     88.8     89.5     90.1       9     84.6     87.2     87.6     89.5     89.9     90.1     90.9     91.8     92.4       3     85.1     87.9     88.5     90.6     91.7     91.8     92.1     93.2     94.4     96.4       3     85.1     87.9     88.6     91.2     92.6     92.7     92.9     94.4     95.8     98.2	Đ	<b>32 0</b>	6-11 O	g C - 2	מַנ ב	84 0	ልራ ወ	97.1	87 L	88.1	88.7	
9 84.6 87.2 87.6 89.5 89.9 89.9 90.1 90.9 91.8 92.4 3 85.1 87.9 88.5 90.6 91.7 91.8 92.1 93.2 94.4 96.4 3 85.1 87.9 88.6 91.2 92.6 92.7 92.9 94.4 95.8 98.2												
3     85.1     87.9     88.5     90.6     91.7     91.8     92.1     93.2     94.4     96.4       3     85.1     87.9     88.6     91.2     92.6     92.7     92.9     94.4     95.8     98.2												
3 85.1 87.9 88.6 91.2 92.6 92.7 92.9 94.4 95.8 98.2								-				
		-							-			
3 85.1 87.9 88.6 91.2 92.6 92.7 93.2 94.6 96.0 100.0	3	92.1	8-1-9	00.0	71.4	3.5 + D	76.1	76.7	74 <u>*</u> 4	7 J.• Ö-	7-0 ∳ 4	
	3	85.1	87.9	88.6	91.2	92.6	92.7	93.2	94.6	96.0	100.0	
	٠.											
						-						

0

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

	LING	d= 0 & 0 & 0	• • • • • • •	•••••						HUNDREDS
	N I		GE		GE		GE	GE	GE	GE -
FE	ET	160	90	80	6-0	48	4-0	32	24	20
	**									
										•
NC	CEIL	2.7	22.9	23.4	24.8	25 • 1	25 • 4	25.5	25.9	26.0
						_				
G E	200001	3.2	25.4	25.9	27.2	27.8	28.0	28.2	28.5	28.7
GE	18000	3.2	25.4	25.9	27.2	27.8	28.0	28.2	28.5	28.7
GΞ	16coc	3.2	25.4	25.9	27.2	27.3	28.0	28.2	28:5	28.7
GE	140001	3.2	25.6	26.1	27.4	28.0	28.3	28.4	28.8	28.9
GE	120001	3.2	26.0	26.5	27.9	28.5	28.8	28.9	29.3	29.4
					-			2007	4,	<b>4</b> ,
GE	10000	3.2	27.4	27.9	29.5	30.1	30.4	30.5	30.9	31.0
GE	90001	3.2	27.4	27.9	29.5	30.1	30.4	30.5	30.9	31.0
GE	8000	3.2	29.0	29.5	31 • 1	31 7	32.0	32.1	32.4	32.6
G E	7000	3.2	29.5	30.1	32.G	32.6	32 • 8	32.9	33,3	33.4
GE	6000	3.3	30.0	30.6	32.• 4	33.0	33.3	33.4	33.8	34.1
-			2010		3 <b>2</b> _v .	3203	55.5	33.4	33,0	3447
GE	50001	3.8	35.6	36.3	38 •:2	38.8	39. C	39.3	39.6	40.0
GE	4500	4.3	38.9	39.9	41.8	424	42.7	42.9	43.3	43.7
GE	4000	4.4	42.3	43.5	45.5	46.2	46.5	46.8	47.3	4.7 • 7
GΕ	35 pg l	4.9	45.1	46.3	48.3	49.0	49:• 3	49.9	50 • 4	50-7
6 E	30 00 1	5.5	49.5	59.9	53.0	53.9	54.1	55.0	55.6	56.0
O L	Debey	3.3	376-3	3217	.J <b>J -</b> -U	3347	24.1	33.0	33.0	30.∙ 0
GE	25 ge [	5-7	51.8	55.2	55.6	56.7	57.2	58.0	58.7	59.0
GE	20 00	6.3	56.2	58.0	61.3	62.3	62.9	63.8	64.6	65.0
GE	18001	6.3	57.G	59.1	62.1	63.4	64.D	64.9	65.9	66 • 2
6-E	1500	6.6	60.7	63.0	66.1	67.7	68.3	69.1	70.1	
G E	12001	7.7	63-13	65.7	68.9	70.5	71.1	72.2	73.2	7 <sub>0</sub> .5 73.5
<b>Ο</b> λ.	1200	1 • 1	03.3	03.41	0.0 • 7	78.3	11.1	14.4	13.2	13 .3
G E	1000	8.5	66.2	68.8	72 • 3	74.0	74.8	75 0	77 0	77.3
G.F.	900	8.5	67.2	69.8	73.5			75.9	77.0	
GE	800	8.5	68.8	71.5	75.5 75.5	75. <sub>2</sub> 77.2	7 <sub>6</sub> .0 78.0	77•1 79•3	78.3	78.7
GE	700	8.8	70.5	73.3	77.4	79.3			80.5	80.9
GE	630	8.8	70.9	739			80.1	81.3	82.7	83.0
O L	6 30 1	0.0	10.9	13.47	78.5	80.6	81.6	82.8	84.1	84.5
GE	500 [	8.8	71.3	74.6	70 6	02 0	83.0	0:11 6	n.c.n	0 ( 7
GE	4 00	8.8	71.7	75.0	802	-				
GE	3001	8.8	71.7				84.4		87.7	
			71.7		80.2	82.9	84.5		88.4	89.0
6 E	200	8.8			80.2	82.9	84 . 8	86.7	88.9	89.6
GΕ	100	8.8	71.7	13.0	80.2	82.9	84 * 8	86 • /	88.9	89.6
GE	a l		71 7	75 0	00.3	02.0	011 0	07 7	00 0	00 1
	01		71.7							
		* * *-* * ,		* ** *** j* *			1.0 0 0 0 0 0 0		• • • • • • • •	• • • • • • • • • • • • • • • • • • •

TOTAL NUMBER OF OBSERVATIONS: 820

( )

	<b>}</b> .										<i>(.)</i>
	υK					OF REC		-76,79- (LST):		00	٠,٠
i		* * * * * * * * * * * * * * * * * * *				• • • • • • •	• • • • • •		• • • • • • •	• • • • • • • • • • •	. )
	GE		HUNDKEDS			٠.	<u> </u>		0.5	,, <u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>	
		GE 24	GE	G.E	GE	GE	GE	GE	GE "	GE	
1	32	24	20	16	12	10	8	5	4	0	j
'n		• • • • • • •	• • • • • • • •	• • • • • • •	• • • • • •	• • • • • • •		• • • • • •		• • • • • • • • • • •	
	25.5	25.9	26.0	26.7	26.2	26 6	26 7	27 1	27 1	20.7	~
	23.3	23.9	26.0	26.3	26.3	26.6	26.7	27.1	27.4	28.7	Ĵ
	20 2	20 5	-0.7	2- 0	20.0	20.7	20 "	20 0	7 - 1	71 7	
ţ	28.2	28,5 28.5	28.7 28.7	29 • 0	29.0	29.3	29.4	29.8	30.1	31.3	-
				29.0	29.0	29.3	29.4	29.8	30.1	31.3	7
	28.2	28.5	28.7	29.0	29.0	29.3	29.4	29.8	30.1	31-3	
	28.4	28.8	28.9	29.3	29.3	29 • 5	29.6	30.0	30.4	3-1-•6	
	28.9	29.3	29.4	29.8	29.8	30.0	30.1	30.5	30.9	32.1	
				_							
	30.5	30.9	31.0	31.3	31.3	31 •-6	31.7	32.1	32.4	33.7	
	30.5	30.9	3-1 • 0	31.3	31.3	31,6	31.7	32.1	32.4	33.7	Ţ
	32.1	32.4	32.6	33.0	33.0	33.3	334	33-•8-	34.1	35.4	-
	32.9	33.3	33.4	33.9	3.3.•9	34.1	34.3	34.6	35.0	36.2	
	33.4	33.8	34.1	34.6	34.6	34-•9	35 • 8	35.4	35.7	37.0	)
						_					-
	39.3	39.6	40.0	40.5	40.5	40.7	40.9	41.2	41.6	428	
	42.9	43.3	43.7	44.1	44.1	44.4	44.5	44.9	45.2	46.+5	)
	46.8	4-7.3	47.7	48.2	48.2	48,4	48.5	48.9	49.3	50.6	مين مين
	49.9	50.4	50.7	51.3	51.3	51.6	51.7	52.1	52.4	53.8	
	55.0	55.6	56.0	56.8	57.0	57.3	57.4	57.9	58.3	5-96	$\mathbf{c}$
		00.0	0010	20.0	3 / 1 3	5, 45	<i>3</i> , , ,	0.07	50.5	37-10	_1
	58.g	58.7	59.0	59.9	60.0	6.0 .4	60.5	61.0	61.3	62.•.7	
	63.8	64.6	0	65.9	66. D	66.3	66.5	67.0	67.3	68.7	``
	64.9	65.9		67.1	67.2	67.6	67.7	68.2	68-5	699	<i>(</i> ,
	69.1	70.1	• 3	71.3	71.5	71.8	72.0	72.4	72-8	74.1	
	72.2	73.2	75.5	74.6	74.8	75 • 1		75.7		77.4	
	1 4 0-4	1312	1.2.6.3	4 • 0	14.0	(2 °:]	75.2	( ⊃.• I-	76.1	11.4	_)
	75.9	77.0	77.3	78.4	70 E	700	70.0	73.5° E	70 0	0.4 5	
	77.1	78.3	78.7		78-5	78.9	79-0	79.5	79.9	81.2	
				79 • 9	80.0	80.4	80.5	81.0	81.3	82.7	$\mathcal{C}$
	79.3	88.5	80.9	82.1	82.2	82.6	82.7	83.2	83.5	84.9	
	81.3	82.7	83.0	84.3	844	84 • 8	84.9	85.4	85.7	87.1	~
	82.8	84.1	84.5	85.7	85.9	86.2	86.3	87.0	87.3	88.7	)
	54 /	0.4 15	a				_				
	84.6	86.0	86.3	87.6	87.7	88.0	88 • 2	88.8	89.1	90.•5	
	86.2	87.7	88.•:2	89.5	89.6	90.0	90.,1	90.7	9-1 - 1	92.4	)
	86.5	88-4	8.9 -0	90.9	91.1	91.6	91-•7	92.4	92.9	94.5	
	86.7	88 • 9	89.6	92 • 1	92.3	93.0	93.3	94.3	9.5.5	97.9	
	86 • 7	88.9	89.6	92.2	92.8	93.5	93.8	95.5	96.7	99.1	)
											•
		88.9	89.6	92.2		93.5		95.•9	97.3	100.0	
•	• • • • •		• • • • • •		• • • • • •	) A 9-0-0 + 4-0					•
											-
											0
										-	
											-

-

n

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CET	LING	) A- •	• • • • •		• • • • •	• • • • • •			VISIBIL		
	N	ı	G7	GE	c -	~~	cc				,
		_			GE	GE	GE	GE		GE.	G۱
	ET	1		90	80				32		i
• • •	****		• • • • •	•••••	• • • • •	• • • • • • • •					
N C	CEIL	1	2 • C	19.7	20.3	21-6	22.2	22.3	22.∙6	23.6	23-
	20000		3.7	24.2	24-•9	26.5	27.4	27.9		29-2	2.9 ,
	18000		3.8	24.6	25 • 4	26 • 9	28.0	28.5	28.8	29.8	29-
	16000		3.8	24.6	25.4	26.9	28.0	28.5	28 • 8	29.8	2-9:₁
	14000		3.9	25.0	25.9	27.4	28.5	29.0	29.3	30.3	30
G E	12000	) [	4.2	25.9	26.7	28.2	29.3	29.8	30.2	31.1	31.
	10000		4.4	29.2	30.0	31.8	33.0	33.5	33.8	348	3-5.
GE	9000		4 . 4	30.3	31.1	33.0	34.2	34.7	35.2	36.1	36.
G-E	8000		4.4	33.0	33.8	35.8	37.1	3-7- 5	38-1	39.1	39.
GE	7000		4.4	33.8	34 - 7	36 • 7	38 -1	38.6	39-•2	40.2	40.
ьE	6000	) [	4.6	35.0	35-•9	37.9	39.3	39.8	4:0 •-4-	-4-1, "-4	41.
6 E	5000		46	37.8	386	41.0	42.7	43.1	43.7	44.9	45.
GĘ	4500	_	5.1	40.4	41.4	43.9	45.5	46.1	46.8	48.3	48.
6 E	4000		6.1	44.5	4-5-• 4	48., 5	50-2	50.8	51.5	52.9	5 3.
6 E	3500	1	6.1	46.0	47.0	50.1	51.8	52.4	53.8	5.5 • 2	5.5.
GE	3000	)	6.7	49.3	50 • 3	53.0	55.8	56.5	57.8	59.4	6.0 •
G.E	2560		6.9	51.0	52.0	557	5 <sup>8</sup> •₌2	59.0	60.4	62.1	62.
GΕ	2000		7.7	54 ⊷0	54.9	59-∔1	61.6	62.5	64.0	65.7	6-6-
GE	1800	] [	8.C	54.9	55.9	60.3	623	63.6	65.2	66.9	67.
σĒ	1500	) [	a2	57.8	59.1	64-• 2	67.1	67.9	69.6	71.3	72:
GE	1200	1	8.7	6g., 9	62.6	68-2	71.2	72 <b>•</b> -0	7.3 • 8	7.58	76.
GE	1000	) [	9.1	64.2	659	72.1	75-3	76.2	779	80.0	81.
GE	0.00		9.3		66.6	73.2	76.5	77.4		81.2	82,
GĒ	800		9.3	65.4	67.3	73.9	77.5	78.3		8-2.5	83.
GE	700	•	9.4	66.7	68.7	75 • 3	7.9. 4	80.2	82.2	84.4	85.
GΞ	6.00		9.5	67.0		76 <b>.</b> 3					
0.2	0.00	, 1	7 + 3	07+0	09 1.0	10.3	17.7	8u• /	83.1	85 <sub>•</sub> 7	87.
БE	5 00		9.5		69.2	77 -2	81.0	81.9	84.3	8-7-, 1	88.
GΕ	4 00		9.5	67.5	69.5	77 •-6	81.8	83 · C	85.3	88.6	90.
GE	300	3 [	9.5	67.5	69.5	77.9	82.2	83.6	85.9	89.5	91.
6 E	2 00	] [	9.5	67-•5	69.5	77.9	82.2	83.6	85.9	89.5	91.
GE	100	1	9.5	67-5	69.5		_				91.
GE	C	1	9 5	67.5	69.5	77.9	82.2	83.6	85.9	89.5	91.
a 1.4					6 0 0 0 0 0 0						

TOTAL NUMBER OF OBSERVATIONS: 839

(

## QUENCY OF OCCURRENCE OF CETLING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

ORD	UK				MONTH	OF REC	HOURS	(LST):	0900-11		
٧	ISIBIL	ITY IN	HUNDRED:	S OF ME	TE-RS	• • • • • • •	• • • • • • •	••• •.• • • •	• • • • • •	• • • • • • • • • • •	•
	GE	GE.	GE	GE	GE	GE	GΕ	GE	GE	GE	
	32	24	20	16	12	10	8	5	4	0	
••	• • • • • •	•••••	* * * * * * * * *	• • • • • • •	• • • • • • •	• • • • • • •	• • •-• • • •	• • • • • •		* * * * * * * * * * *	•
	22.6	23.6	23.6	24.0	24.1	24.3	24.7	24.8	25.0	2-6 • 0	
	28.2	29.2	29.3	29.7	29.8	30.0	30.4	30.5	30.8	31.8	
	28.8	29.8	29.9	30.3	30.4	30.6	31.0	31.1	31.3	32 • 4	
,	28.8	29.8	29.9	30-4-3	30.4	30.6	31.0	31.1	3.1 • 3	32.4	
	29.3	30.3	30.4	30.8	30.9	31.1	31.5	31.6	31.8	32.9	
	30.2	31.1	31.2	31,6	31.7	31 • 9	32.3	32.4	32.7	33.7	
	33.8	34.8	35.0	35.4	35.5	35.8	36.1	36.4	36.6	37.7	
	35.2	36.1	36.4	36.8	36 • 9	37.2	375	37-8	38.0	39.1	
	38.1	39.1	39.3	39.8	39.9	40.2	40.5	40.8	41.0	42.1	
	39.2	40.2	40.4	40.9	41.0	41.2	41.6	4.1 •:8	42-1	431	
	40.4	41.4	4-16	42 - 1	42.3	42.6	42.9	43.1	43.4	44.5	
	43.7	44.9	45.2	45.6	45.9	46.1	46.5	467	47.0	48.0	
	46.8	48.3	48.6	49.1	49.3	49.6	49.9	50.2	50.4	515	
	51.5	52.9	53.4	54 • 1	54.4	54.7	55.1	55.3	55.5	56.6	
	53.8	55.2	55.8	56.5	56.9	57.2	57•6	57.8	58.0	59.1	
	57.8	59.4	60.2	61.0	61.4	61.7	62.1	62.3	62.6	63.6	
	60.4	62.1	62.9	63.8	64.1	64.5	64.8	6.5.1	65.3	66.4	
	64.0	65.7	66.5	67.3	67.7	68.1	68.4	68.7	68-9	70.0	
	65.2	66.9	67.7	68.5	69.0	69 • 4	69.•8	70.1	70.3	71.4	
	69.6	71.3	72.2	73.2	73.7	74.0	74.5	74.9	75.1	76.3	
	73.8	75.8	76.9	78.1	78.7	79.0	7.9.5	79.9	80.1	81.3	
	77.9	80.0	81.0	82.2	82.8	83.2	83.7	84.0	0.0. 7	0.5.5	
	79.1	81.2	82.2	834	84.0	84.4	84.9	852	84.3 85.5	85.5	
	80.3	82.5	83.6	84 7	853	85.7	86.2	86 • 5	86.8	86-•7	
	82.2	84.4	85.5	86.8	87.4	87.7	88.2	88.6	88-8	88-•0	
	83.1	85.7	87.0	88.3	88.9	89.3	89.7	90.2	90.5	90.0 91.7	
								, , , , ,	2.0 <del>4</del> .0	/ A * i	
	84.3	87.1	88.6	89.9	90.5	90.8	91.4	92.0	92.3	93.4	
	85.3	88.6	90.1	91.5	92.1	92.6	93.2	93.8	94.3	95.5	
	85.9	89.5	91.1	92.8	9-37	94.•2	94.8	95.5	95.9	97.3	
	85.9	89.5	91.2	934	94.3	94:•8	95.6	96.8	97.6	99,3	
	85.9	89.5	9:1.2	93.4	94.5	95.0	95.8	97-1	98.0	99.8	
	85.9	89.5	91-•2	93.4	94 • 5	95.0	95.8	97.1	98.0	100.0	
• •	7 7 9 9-4 9 1	· • • • • • • • • • • • • • • • • • • •	• • • • • •	0-0-0-0-0-0			• • • • • •		• • • • • •	••••••	
										-	

USAFETAC AIR WEATHER SERVICE/MAC

GLOBAL CLIMATOLOGY BRANCH . TRCENTAGE FREQUENCY OF OCCURRENCE O FROM HOURLY OBSER

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEILING IN   FEET	<sub>6</sub> 1	GE 90	GE 80	GE 60	GE 48	GE 4-0	VISIBIL:		
NC CEIL	2.7	21.5	22.4	23.9	24.2	24 • 2	24.4	24.7	24.7
GE 20000   GE 18000   GE 16000   GE 14000   GE 12000	4.3 4.3 4.3 4.8	27.4 27.5 27.5 27.6 29.0	28.3 28.5 28.5 28.6 30.3	30.2 30.4 30.4 30.5 32.4	30.5 30.8 30.8 30.9 32.8	.5 30.8 30.8 30.9 32.8	30.6 30.9 30.9 31.0 32.9	31.0 31.2 31.2 31.4 33.4	31.1 31.2 31.2 31.4 33.4
GE 10000  GE 9000  GE 8000  GE 7000  GE 6000	5.2 5.4 5.4 5.5	32.4 33.4 37.9 39.6 40.0	33.9 35.0 39.6 41.3 41.7	36.2 37.4 42.0 43.7 44.1	36.6 37.8 42.3 44.0 44.5	36.6 37.8 42.3 44.0 44.5	36.8 38.0 42.9 44.8 45.2	37.4 38.6 43.5 45.4 45.8	37.4 38.4 43.4 45.4
GE 50001 GE 45001 GE 45001 GE 35001 GE 30001	5.8 5.8 6.6 7.1 7.6	41.9 44.1 48.3 51.1 55.0	43.5 45.8 49.9 52.8 56.7	46.2 49.2 53.7 56.7 60.8	46.7 49.8 54.4 57.7 62.1	46.8 49.9 54.5 57.9 62.4	47.6 50.8 55.5 58.9 63.3	48.3 51.7 56.6 60.2 64.8	48. 51. 56. 60.
GE 2500   GE 2000   GE 1800   GE 1500   GE 1200   GE	7 7 8.6 9.0 9.3 9.5	56.5 61.3 62.4 65.3 70.6	58.3 63.4 64.5 67.4 73.2	62.6 68.6 69.7 72.6 78.9	63.9 70.0 71.2 74.3 80.9	64.2 70.2 71.4 74.5 81.2	65.3 71.3 72.5 75.6 82.4	66.8 72.9 74.1 77.2 84.0	67. 73. 74. 77. 84.
GE 1000  GE 900  GE 800  GE 700	10.1 10.1 10.1 10.1	72.9 73.5 74.1 74.9 75.2	75.6 76.2 77.2 78.2 78.4	8 <sub>1</sub> .7 82.4 83.6 84.7 85.3	84.8 86.1 87.3 87.9	84 · 2 85 · 0 86 · 6 87 · 8 88 · 4	85.4 86.2 87.9 89.3 90.0	87:1 87:9 89:6 91:4 92:2	87. 88. 90. 92.
6E 500  6E 400  6E 300  6E 200  6E 100	10.1 10.1 10.1 10.1	75.2 75.2 75.2 75.2 75.2	78.5 78.5 78.5 78.5 78.5	85.8 85.9 86.0 86.0	88.5 88.9 89.0 89.0	89.0 89.4 89.5 89.5	90.6 91.0 91.1 91.1	93.1 93.7 93.8 93.8 93.8	94. 94. 94. 94.
GE gl	-	75.2	78.5	86.0	89.0	89.5	91.1	938	94:

υK				PERIOD MONTH	OF REC	ORD: 74 HOURS	-76,79- (LST):	86 1200-14	100
* * * * * * * * * * * * * * * * * * *	* * * * * * * * * * * * * * * * * * *		05 45		• • • • • •	• • • • • • •	• • • • • •	• • • • • •	
GE	GE TH	HUNDREDS			a #		_		
		GE	GE	GE	GE	GE	GĘ	GE	G E _
32	24	20	16	12	10	8	5	4	0
• • • • •	• • • • • • •		• • • • • •	• • • • • •	• • • • • •	• • • • • •	• • • • • • •	•••••	• • • • • • • • •
24.4	24.7	24.7	255	25.6	25.7	25.7	25.7	25.7	25.8
30.6	31.0	31.0	31.7	31.8	32.0	32.1	32.1	32.1	70.0
30.9	31.2	31.2	32.0	32.1	32.2		32.3	32.3	32.2
30.9	31.2	31.2	32.0	32.1	32.2	32.3			32.4
31.0	31.4	31.4	32.1	32.2	32.3		32.3	32.3	3·2 • 4
32.9						32.4	32.4	32.4	
34.9	33.4	33.4	341	34.3	34 • 4	34.5	34 • .5	34.5	34.6
36.8	37.4	37.4	38.2	38.4	38.5	38.6	38.6	38.6	38.7
38.0	38.6	38-6	39.4	39.6	39 • 7	39.8	39,8	39.8	
42.9	43.5	43.5	44-, 4	44.5	44.6	44.8	44.8	44.8	44.9
44.8	45.4	45.4	46.2	463	46.4	46.6	46.6	46.6	46.7
45.2	45.8	45.8	46.8	46.9	47.0	47.2	47.2	47.2	47.3
47.6	48.3	4.8.3	49.2	49.3	49.5	49.6	49.6	49.6	49.7
50.8	51.7	517	52.7	52.8	53.0	53.1	53.1	53.1	
55.5	56 • 6	56.7	57.7	57.9	58.0	58.1	58.1	58.1	
58.9	60.2	60.4	61.4	61.6	61.8	61.9	61.9	61.9	
63.3	64.8	65.3	66.2	66.5	66.6	66 • 7	66.7	667	66-8
						00 • 1		0.0.0 (	00-40
65.3	66.8	67.3	683	68.5	68.6	68.9	68.9	68.9	69.0
71.3	72.9	73.3	74.3	74.5	74 • 7	74.∙9	74.9	74.9	75.0
72 • 5	74.1	7.4.5	7.5 • 5	75.8	75.9	76.1	76.1	76.1	76.2
756	77.2	77.7	78.6	78.9	79.0	79.3	79.3	79.3	79.4
32-4	84.0	84.4	85.5	85.8	85.9	86.1	86.1	86.1	86.2
£5.4	87-1	87.6	88.7	88.•9	89.0	89.3	89.3	89.3	89.4
86.2	87.9	88.5	89.6	89-9	90.0	90.2	90.2	90.2	90.3
87.9	89.6		91.4						
39.3	91.4	92.2	93.6	93.8	94.0	942	94.2	942	94 • 3
0.0	92.2	92.9	94.3	94.6	94.7	94.9	94.9	94.9	94 • <u>- 5</u> 95 • 1
30.	07 1	0 11 0	05 "	05 7	05.0	<b>0</b> 4 -		-	
90.6 91.0	93-1 03-7	94.0	95.4	95.7	95.8	96 • D	96.0	96.0	96-1
	93.7	94.6	96.3	96.5	96.6	97- <b>•</b> 0	97.5	97-•7	97.8
91.1	93.8	94.7	966	96.9	97.2	•	98.1	98.3	98.4
1.1	93.8	94.7	96.9	97.5	93.1	98.6	99.2	994	99•6
91.1	93.8	94.7	96.9	97.6	98-•-3	98-48	99.4	99.•.6	100.0
91.1	93.8	94.7	969	97.6	98.3	98-8	99.4	99-•6	100.0
• • • • • •	• • • • • • •		• • • • • •	y=q=q=4*4 4 4 4					
					-				
				_					

0

1,1

1

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEILING				• • • • • • • • • • • • • • • • • • • •		,	ISIBIL	אז צדז	HUNDRE
IN	GΤ	GE	GE	GE	GE	GE	GE	GE	GE
FEET	160	90	80	60	48	40	32	24	20
• • • • • • • • •	٠				• • • • • •				
									=
NO CEIL	1.8	23.1	23.9	25.9	26.3	26.3	26.6	26.7	26.7
Gr annoni	7 0	27 C	20.0	71 (	74 17	71.0	~~ .		** **
GE 20000  GE 18000	3.4 3.5	27.5	28.8	31 • 1	31.7	31.8	32.1	32.2	32.2
GE 16000		27.9	29 • 1	31.5	32.1	32.2	32.4	32.6	32.6
GE 14000)	3.8 4.0	28 • 2 28 • 6	29.4 35.0	31.7	32.3	32.4	32.7	32.8	32.8
GE 12000	4.5	29.6	31.0	32 • 3	32.9	33•·0	33.3	33.4	33.4
or 151:001	700	2710	21.0	33 <b>.</b> 4	34.0	34.1	34.4	34 • 5	34.5
GE 10000	4.5	31.5	32.9	36 ⋅ 0	36.6	36.7	37.0	37.1	37-•3
6E 90001	4 • 5	32.2	33.7	36.7	37.3	37.5	37.7	37.8	38.1
60 80001	4.5	35.3	36.8	40 • 1	41.1	41.2	41.7	42.0	42.2
GE 7000	4.5	36.℃	37.6	40.9	41.9	42.0	42 • 5	42.7	43.0
6E 6C00	4.7	36.5	38.2	41.6	42.6	42.7	43.2	43.5	43.7
									•
GE SCOOL	5.1	39-• 9	41.7	45.7	46.8	46.9	47.4	47.7	48.0
GE 4500-	5.6	42.1	44-•3	48.2	49.3	49.4	49.9	50.3	50.7
GE 4000	5.9	46.0	48.3	52.6	53.7	53.9	54.5	54.8	55.2
6E 3500	6.6	49.4	51.9	56.4	57.5	57.6	58.4	58.9	59.4
GE 3000	7.2	55.₊1	57.5	62.7	64.1	64.3	65.2	66.0	66.5
6E 2500	7.6	57.5	60.1	65.2	66.7	66.8	67.8	68-5	69.0
GE 2000	80	62.8	65.4	71.5	73.2	73.3	74.3	75.0	75.5
6F 1830	8.1	63.9	66.6	72 - 8	74.5	74.7	75.6	76.4	76.9
GE 1500	8.3	66.5	69.3	75.8	77.8	78.0	78.9	79.7	80.2
SE 1200	9.7	70.6	73.9	81.4	83.7	84.1	85.3	86.0	86.7
		-	, - ,						30,1
6E 1000	8.8	72.2	75.8	83.5	85 • 9	86.3	87.8	88.5	89.2
6E 9001	8.8	72.7	76.5	84.3	86.9	87.3	88.9	89.6	90.3
66 8301	8.8	73.1	77.0	84.8	87.4	87.8	89.5	90.5	91.2
6E 700	8 . 8	73.47	77.6	85 7	88 2	88.6	97.5	91.4	92.2
65 6001	8,8	73.9	77 • 8	86.5	39.2	89.7	91.7	9-2 • 8	93.6
GE SUO!	8.8	74-2	78.1	0.7 E	00.0	00 "	an 11	011 0	65.
6E 400	8.8	743		87.0	90.0 90.1	90.5	92.4	94.0	95.1
GE 3001	8.8	74.3	78.2 78.2	87 • 1	90.1	90.7	92.8	94.6	95.47
6E 200	8.8	74.3	78.2	87-•1 87•1	90.1	90.7	92.8	94.6	96.0
6E 100	8.8	74.3	78.2	87.1	90.1	90.7 90.7	92.8	94.6 94.6	96.1
J. 1001	12 <b>9 17</b>	17.0	19.2	01.1	9011	701/	92.•8	74.0	96.1
GE nl	8.8	743	78.2	87.1	90.1	90.7	92.8	94.6	96.1
						,	, , , ,	/ ·1 • O	90 • X

## ENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

	go AK			-				-76,79-8	36 1500-17 <sub>0</sub>	20	<u>l</u>
	VISIBIL	ITY IN E				• • • • • • •			• • • • • •		)
	GE 32	GE 24			GE 12	GE 10	G E 8	G <sub>E</sub> 5	GE 4	5E 0	
	26.6	26.7	26.7	268	26.9	26.9	26.9	27.2	27.2	27.2	, j
	32.1 32.4 32.7 33.3	32.2 32.6 32.8 33.4	32.2 32.6 32.8 33.4	32.3 32.7 32.9 33.5	32.4 32.8 33.0 33.7	32.4 32.8 33.0 33.7	32.4 32.8 33.0 33.7	32.7 33.0 33.3 33.9	32.7 33.0 33.3 33.9	32.7 33.0 33.3 33.9	1
I	34.4	34 • 5	34.5	34.6	34.8	34.8	34.8	35.0	35.0	35.0	)
1001 (37	37.0 37.7 41.7 42.5 43.2	37.1 37.8 42.0 42.7 43.5	37.3 38.1 42.2 43.0 43.7	37.7 38.4 42.6 43.3 44.1	37.8 38.6 42.7 43.5	37.8 38.6 42.7 43.5 44.2	37.8 38.6 42.7 43.5 44.2	38.1 38.8 43.0 43.7 44.4	38.1 38.8 43.0 43.7 44.4	38 • 1 38 • 8 4 3 • 0 4 3 • 7 4 4 • 4	) )
8 4 9	47.4 49.9	47.7 50.3	48.0 50.7	48.3 51.0	48.5 51.2	48.5 51.2	48.5 51.2	48.7 51.4	48.7 51.4	48.7 51.4	у Э
5 3	54.5 58.4 65.2	54.8 58.9 66.0	55 • 2 59 • 4 66 • 5	55 • 6 59 • 7 66 • 8	55.7 59.9 67.0	55.7 59.9 67.0	55.7 59.9 67.0	55.9 60.1 67.2	55.9 60.1 67.2	55 • 9 6 0 • 1 6 7 • 2	
8 7 C	67.8 74.3 75.6 78.9 85.3	68.5 75.0 76.4 79.7 86.0	69.0 75.5 76.9 80.2 86.7	69.4 75.9 77.2 80.5 87.0	69.5 76.0 77.4 80.7 87.1	69.5 76.0 77.4 80.7 87.3	69.5 76.0 77.4 80.7	69.8 76.3 77.6 80.9	69.8 76.3 77.6 80.9	69 • 8 76 • 3 77 • 6 80 • 9	<u> </u>
3		88.5	89.2	89.6	89.7	90.0	87.3 90.0	87•5 90•2	87.5 90.2	87.5 90.2	()
3 0 6	88.9 89.5 99.5	89.6 90.5 91.4	90.3 91.2 92.2	90.7 91.7 92.7	90.8 91.8 92.8	91.1 92.0 93.0	91 • 1 92 • 0 93 • 0	91.3	91.3	91.3	Ç
7		92-8	93.6	94.1	94.•2	94.5	94.6	95.1	95.1	95.1	)
5 7 7	92.8 92.8	94.6 94.6	95.1 95.7 96.0	95.8 96.5 96.9	96.0 96.6 97.1	96.2 96.8 97.3	96.3 96.9 97.4	96 • 8 97 • 4 97 • 9	96.•8 97.•7 98.2	96.8 97.8 98.3	.)
7 7		94.6 94.6	96.1 96.1	97.4 97.4	97 • 8 97 • 8	98 • 2 98 • 3	98:•3 98 •4	99.0 99.1	99.4 99.5	99•9 100•0	O
	92.8	94.6	96 -1	974	97.8	98.3	98:4	99 • 1 • • • • • • • •		1:00.0	Ç
											o
											Ø

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEILIPG		<b>6 0 0-8 6 0</b> /6/1		• • • • • • •			/ISIBIL		
16 1	σT	GE	GE	GE	GE	GΕ	GE	GE	GE
FEET	160	90	80	60	48	40	32	24	20
		, , , , , , , , , , , , , , , , , , ,							
NO CEIL	1.0	28.9	29.5	31.3	32.2	32.4	32 • 9	33.1	33.2
GE 20000!	2.0	32.9	33.5	35.4	36.3	36.4	37.2	37.3	37.4
GE 18000	2.0	32.9	33.5	35 • 4	36 • 3	36.4	37.2	37.3	37.4
GE 16000	2.2	33.1	33.7	35.6	36.4	36.6	37.3	37.4	37.6
GE 140001	2.5	33.4	34 .0	35.8	76.7	36 - 9	37.6	37.7	37.9
6E 120001	2.6	34.1	34.7	36.7	37.6	37.7	38,5	38.6	38 . 8
								0 - 0	
GE 10000	2.6	36.1	36.7	38.9	39.9	40.1	40.8	40.9	41.2
GE 90001	2 • 6	36.6	37.2	39.5	40.5	40.6	414	41.5	41.8
GE 8000	2.6	39.6	46.2	42 · 8	43.8	44.0	44.7	44.8	4.5 • 1
65 700Gi	2.6	40.2	40.8	43.4	44.4.	44.6	45.3	4.5.4	45.7
SE 60001	2.6	40.9	41.5	44 - 6	45.6	45.7	4.6.4	46.6	4.6 . 9
31 5.001	t., ♥ \x	10.	1213		.3.0	150 1	1.0.4	. 0=0	1.0 4.7
GE 50001	2.9	446	45.1	48.3	4.95	49.6	50.5	50.7	50.9
GE 4500	2.9	46.6	47.2	50 - 4	51.5	51.7	52.5	52.7	53 53€
GE 40001	3.0	50.7	51.2	54.4	55.,6		56 • 7	5-7 • 0	5-7 •.3
GE 35004	3.5		55.0		556 59.7	55· 7			
		54.4		58.5		59.8	60.8	61.1	61.4
6E 30001	3. ç	59.4	59.9	63.7	65.6	659	66.9	67.3	67.8
GE 2500	4.2	62.0	62.7	66.6	68.7	68.9	70.0	70.4	70.8
GE 2000	4.2	66.6	67.5	72.3	74.3	74 - 6	75.6	76.3	7-6 • 8
6E 18ppl	4.5	67.2	68.1	72.9	74.9	75.2	76.2	76.9	77.i
GE 1500)	4.6	72.6	73.4	78.7	81.1	81.4	82.6	83.3	83.
GE 1200	4.6	74-6	75.9	81.6	84.0	84.5	85.6	86.5	86.5
00 1:001	-1-0 (,	1940	13.7	01.40	24.0	U-1.4 J	03.0	50.5	
GE 1000]	4.6	76.3	77.6	83.6	86•2	86.6	87.8	88.7	89.
G-E 900	4.6	76.8	78.2	84.2	86.8	87. 2	88 • 4	8-9 - 3	89.
GE 8001	4.6	77.6	79.1	85.1	877	88.1	89.6	904	90.
GE 7001	4.6	77.8	79.2	85.2	87.8	88.2	90.3	91.3	91.
			80.1		89 •-8	90.3		93.3	
GE 6001	4.6	78.5	80.41	86.9	07.0	90.3	9.23	93.3	93.
GE 560	0. 1	70.7	05.	07 -	00 "	00 t	07.3	94.3	94.
·	4.6	78.7	8î.6	87.5	90.4	90,9	93.2		-
GE 400	4.• 6	79.0	80-8	87.8	90.7	91.3	93-6	95 • 2	95.
GE 300	4.6	79.0	80.48	87.8	90.7	91.3	93.6	95.2	95.
GE 200	4.6	79.0	8°C + 8	87.8	90.7	91.3	93.6	95.2	95.• 0.5
GE 100	4.6	79.0	80.8	87.8	90.7	91.3	93.6	95.2	95 🔩
	_					_			:
G-E 01	4.6	79.0	8.08	87.8	90.7	91.3	93.6	95.2	95•
• • • • • • • • •		• • • • • •			• • • • • • •	• • • • • •	• • • • • • •		1-9-6-9-6

## PEQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

C       32       24       20       16       12       10       8       5       4       0         4       32.9       33.1       33.2       33.4       33.4       33.5       33.7       33.8       34.1       34.7         4       37.2       37.3       37.4       37.7       37.7       37.9       38.0       38.2       38.6       39.2         5       37.3       37.4       37.7       37.9       38.0       38.2       38.8       39.2         6       37.3       37.4       37.7       37.9       38.0       38.2       38.8       39.3         9       37.6       37.7       37.9       38.2       38.3       38.6       39.0       39.3       39.9       40.5         1       40.8       40.9       41.2       41.5       41.5       41.7       41.8       41.9       42.4       43.0       43.5       46.9       44.7       44.8       45.1       45.4       45.7       46.9       46.9       46.4       46.9       47.5       47.5       47.5       47.5       47.5       47.5       47.5       47.5       47.5       47.5       47.5       47.5       47.5       47.5 </th <th>V 1</th> <th>STRTL</th> <th>TTY TN I</th> <th></th> <th>OF ME</th> <th>•••••• TFRS</th> <th></th> <th>• • • • • •</th> <th></th> <th>• • • • • •</th> <th>• • • • • • • • • •</th> <th>•</th>	V 1	STRTL	TTY TN I		OF ME	•••••• TFRS		• • • • • •		• • • • • •	• • • • • • • • • •	•
C       32       24       20       16       12       10       8       5       4       0         4       32.9       33.1       33.2       33.4       33.4       33.5       33.7       33.8       34.1       34.7         4       37.2       37.3       37.4       37.7       37.7       37.9       38.0       38.2       38.6       39.2         5       37.3       37.4       37.7       37.9       38.0       38.2       38.6       39.2         6       37.3       37.4       37.7       37.9       38.0       38.2       38.8       39.3       39.3       39.3       39.3       39.3       39.3       39.3       39.3       39.3       39.3       39.3       39.0       39.0       39.0       39.0       39.0       39.0       39.0       39.0       39.0       39.3       39.5       39.9       40.5       40.6       40.6       40.9       40.5       40.6       40.9       40.5       40.5       40.6       40.9       40.5       40.5       40.5       40.5       40.5       40.6       40.9       47.5       47.5       47.5       47.5       47.5       47.5       47.5       47.5 <t< th=""><th>•</th><th></th><th></th><th></th><th></th><th></th><th>GE</th><th>GE</th><th>GE</th><th>GE</th><th>GE</th><th></th></t<>	•						GE	GE	GE	GE	GE	
4 32.9 33.1 33.2 33.4 37.4 37.7 37.9 38.0 38.2 38.6 39.2 37.3 37.4 37.7 37.9 38.0 38.2 38.6 39.2 37.3 37.4 37.6 37.9 37.9 38.0 38.2 38.6 39.2 37.3 37.4 37.6 37.9 37.9 38.0 38.2 38.3 38.8 39.3 39.3 37.4 37.7 37.9 38.0 38.2 38.3 38.8 39.3 39.3 39.5 39.0 39.6 37.3 37.4 37.6 37.9 38.2 38.3 38.2 38.3 38.8 39.3 39.6 38.5 38.6 39.2 39.3 39.5 39.0 39.6 39.2 39.3 39.5 39.9 40.5 38.5 38.6 38.8 39.0 39.0 39.0 39.2 39.3 39.5 39.9 40.5 38.5 38.6 38.8 39.0 39.0 39.0 39.2 39.3 39.5 39.9 40.5 38.5 38.6 38.8 39.0 39.0 39.2 39.3 39.5 39.9 40.5 38.6 41.4 41.5 41.8 42.1 42.1 42.1 42.2 42.4 42.5 46.3 46.9 47.5 46.9 47.5 45.4 45.6 45.7 46.8 45.7 46.0 46.0 46.2 46.3 46.4 46.9 47.5 46.4 46.6 46.9 47.2 47.2 47.3 47.5 47.6 48.0 48.6 48.6 46.9 47.5 52.7 53.0 53.3 53.3 53.4 53.6 53.7 54.1 54.7 55.5 52.7 53.0 53.3 53.3 53.4 53.6 53.7 54.1 54.7 56.7 57.0 57.3 57.6 57.6 57.8 57.9 58.1 58.5 59.1 86.0 66.9 67.3 67.8 68.1 68.1 68.2 68.4 68.5 68.9 69.5 96.5 96.7 56.9 67.3 67.8 68.1 68.1 68.2 68.4 68.5 68.9 69.5 97.0 70.0 70.4 70.8 71.1 71.1 71.3 71.4 71.6 72.0 72.6 76.2 76.9 77.4 77.6 77.6 77.6 77.8 77.9 78.5 77.9 78.5 79.1 48.0 88.7 89.1 89.4 89.4 89.4 89.4 89.4 89.5 84.9 85.5 85.5 86.5 86.9 87.2 87.2 87.4 87.5 87.7 97.9 78.5 79.1 48.0 88.7 89.1 89.4 89.4 89.4 89.4 89.4 89.5 84.9 85.5 89.7 99.9 91.4 91.9 91.1 91.1 91.3 91.4 91.6 92.0 92.0 92.0 92.2 92.3 92.3 92.5 92.9 93.5 93.5 93.6 95.2 95.8 96.1 96.1 96.2 96.5 97.0 97.0 97.7 98.1 98.7 99.9 91.5 91.9 91.9 91.9 91.1 91.1 91.3 91.4 91.6 92.0 92.0 92.0 92.2 92.3 92.5 92.9 93.5 93.5 93.6 95.2 95.8 96.1 96.1 96.2 96.5 97.0 97.0 97.7 98.3 93.6 95.2 95.8 96.1 96.1 96.2 96.5 97.0 97.0 97.7 98.3 93.6 95.2 95.8 96.1 96.1 96.2 96.5 97.0 97.0 97.7 98.3 99.4	С											
4 37.2 37.3 37.4 37.7 37.7 37.9 38.0 38.2 38.6 39.2 4 37.2 37.3 37.4 37.7 37.7 37.9 38.0 38.2 38.6 39.2 38.6 37.3 37.4 37.6 37.9 37.9 38.0 38.2 38.3 38.8 39.3 39.3 37.6 37.7 37.9 38.2 38.2 38.3 38.8 39.3 39.6 37.6 37.7 37.9 38.2 38.2 38.3 38.8 39.0 39.6 37.6 37.7 37.9 38.2 38.2 38.3 38.5 38.6 39.0 39.6 37.6 37.6 37.8 38.6 39.0 39.0 39.0 39.0 39.0 39.0 39.0 39.0	-											,
4 37.2 37.3 37.4 37.7 37.7 37.9 38.0 38.2 38.6 39.2 4 37.2 37.3 37.4 37.7 37.7 37.9 38.0 38.2 38.6 39.2 38.6 37.3 37.4 37.6 37.9 37.9 38.0 38.2 38.3 38.8 39.3 39.3 37.6 37.7 37.9 38.2 38.2 38.3 38.8 39.3 39.6 37.6 37.7 37.9 38.2 38.2 38.3 38.8 39.0 39.6 37.6 37.7 37.9 38.2 38.2 38.3 38.5 38.6 39.0 39.6 37.6 37.6 37.8 38.6 39.0 39.0 39.0 39.0 39.0 39.0 39.0 39.0										• • •		
4 37.2 37.3 37.4 37.7 37.9 38.0 38.2 38.6 39.2 38.6 37.3 37.4 37.6 37.9 37.9 38.0 38.2 38.3 38.8 39.3 39.5 37.3 37.4 37.6 37.9 37.9 38.0 38.2 38.3 38.8 39.3 39.6 37.3 37.4 37.7 37.9 38.2 38.2 38.3 38.5 38.6 39.0 39.6 39.6 38.5 38.6 39.0 39.0 39.0 39.2 39.3 39.5 39.9 40.5 38.5 38.6 38.8 39.0 39.0 39.2 39.3 39.5 39.9 40.5 39.6 41.4 41.5 41.8 42.1 42.1 42.2 42.4 42.5 43.0 43.5 44.7 44.8 45.1 45.4 45.4 45.6 45.7 45.9 46.3 46.9 47.5 46.0 46.0 46.0 46.0 46.2 46.3 46.4 46.9 47.5 46.4 46.6 46.9 47.2 47.2 47.3 47.5 47.6 48.0 48.6 48.6 46.4 46.9 47.5 47.6 48.0 48.6 46.4 46.9 47.5 57.5 52.7 53.0 53.3 53.3 53.4 53.6 53.7 54.1 54.7 52.5 52.7 53.0 53.3 53.3 53.4 53.6 53.7 54.1 54.7 52.5 52.7 57.0 57.3 57.6 57.6 57.6 57.6 57.6 57.6 57.6 57.6	4	32 • 9	33.1	33.2	33.4	37.4	33 •-5	33.7	33.8	34.1	34.7	
4 37.2 37.3 37.4 37.7 37.9 38.0 38.2 38.6 39.2 38.6 37.3 37.4 37.6 37.9 37.9 38.0 38.2 38.3 38.8 39.3 39.5 37.3 37.4 37.6 37.9 37.9 38.0 38.2 38.3 38.8 39.3 39.6 37.3 37.4 37.7 37.9 38.2 38.2 38.3 38.5 38.6 39.0 39.6 39.6 38.5 38.6 39.0 39.0 39.0 39.2 39.3 39.5 39.9 40.5 38.5 38.6 38.8 39.0 39.0 39.2 39.3 39.5 39.9 40.5 39.6 41.4 41.5 41.8 42.1 42.1 42.2 42.4 42.5 43.0 43.5 44.7 44.8 45.1 45.4 45.4 45.6 45.7 45.9 46.3 46.9 47.5 46.0 46.0 46.0 46.0 46.2 46.3 46.4 46.9 47.5 46.4 46.6 46.9 47.2 47.2 47.3 47.5 47.6 48.0 48.6 48.6 46.4 46.9 47.5 47.6 48.0 48.6 46.4 46.9 47.5 57.5 52.7 53.0 53.3 53.3 53.4 53.6 53.7 54.1 54.7 52.5 52.7 53.0 53.3 53.3 53.4 53.6 53.7 54.1 54.7 52.5 52.7 57.0 57.3 57.6 57.6 57.6 57.6 57.6 57.6 57.6 57.6	h	77 2	77 7	77 H	77 7	7 7	77.0	70 O	70 2	70 6	70.2	
5	4											
9       37.6       37.7       37.9       38.2       38.2       38.3       39.3       39.3       39.5       39.0       39.6         1       40.8       40.9       41.2       41.5       41.5       41.7       41.8       41.9       42.4       43.0         6       41.4       41.5       41.8       42.1       42.1       42.2       42.4       42.5       43.0       43.5         6       44.7       44.8       45.1       45.4       45.6       45.7       45.9       46.3       46.9       47.5         6       45.3       45.4       45.7       46.0       46.0       46.2       46.3       46.4       46.9       47.5         7       46.4       46.6       46.9       47.2       47.3       47.5       47.6       48.0       48.6         6       50.5       50.7       50.9       51.2       51.2       51.4       51.5       51.7       52.1       52.7         7       52.5       52.7       53.0       53.3       53.3       53.3       53.3       53.3       53.4       53.6       53.7       54.1       54.7         7       52.5       52.7       53.0	. 6						-					
7       38.5       38.6       38.8       39.0       39.0       39.2       39.3       39.5       39.9       40.5         1       40.8       40.9       41.2       41.5       41.5       41.7       41.8       41.9       42.4       43.0         6       41.4       41.5       41.8       42.1       42.1       42.2       42.4       42.5       43.0       43.5         6       45.3       45.4       45.4       45.6       45.7       45.9       46.3       46.4       46.9       47.5         7       46.4       46.6       46.9       47.2       47.2       47.3       47.5       47.6       48.0       48.6         6       50.5       50.7       50.9       51.2       51.2       51.4       51.5       51.7       52.1       52.7         7       52.5       52.7       53.0       53.3       53.3       53.4       53.6       53.7       54.1       54.7         7       56.7       57.0       57.3       57.6       57.6       57.8       57.9       58.1       58.5       59.1         8       60.8       61.1       61.7       61.7       61.8       62.0												
1 40.8 40.9 41.2 41.5 41.5 41.7 41.8 41.9 42.4 43.0 41.4 41.5 41.8 42.1 42.1 42.2 42.4 42.5 43.0 43.5 6.44.7 44.8 45.1 45.4 45.4 45.6 45.7 45.9 46.3 46.9 47.5 746.4 46.6 46.9 47.2 47.2 47.3 47.5 47.6 48.0 48.6 50.5 50.7 50.9 51.2 51.2 51.4 51.5 51.7 52.1 52.7 752.5 52.7 53.0 53.3 53.3 53.4 53.6 53.7 54.1 54.7 54.7 56.7 57.0 57.3 57.6 57.6 57.8 57.9 58.1 58.5 59.1 86.0 61.1 61.4 61.7 61.7 61.8 62.0 62.1 62.6 63.1 66.9 67.3 67.8 68.1 68.1 68.2 68.4 68.5 68.9 69.5 69.5 69.5 69.5 69.5 69.5 69.5 69												
6       41.4       41.5       41.8       42.1       42.1       42.2       42.4       42.5       43.0       43.5         6       44.7       44.8       45.4       45.4       45.6       45.7       45.9       46.3       46.9         6       45.3       45.4       45.7       46.0       46.0       46.2       46.3       46.4       46.9       47.5         7       46.4       46.6       46.9       47.2       47.2       47.3       47.5       47.6       48.0       48.6         6       50.5       50.7       50.9       51.2       51.2       51.4       51.5       51.7       52.1       52.7         7       52.5       52.7       53.0       53.3       53.3       53.4       53.6       53.7       54.1       54.7         7       56.7       57.0       57.3       57.6       57.6       57.8       57.9       58.1       58.5       59.1         8       60.8       61.1       61.7       61.7       61.8       62.0       62.1       62.6       63.1         9       70.0       70.4       70.8       71.1       71.1       71.3       71.4       71.6	1	30.3	20.8	20.0	J7 • U	37.0	3742	37-63	37.5	3747	70.0	
6       41.4       41.5       41.8       42.1       42.1       42.2       42.4       42.5       43.0       43.5         6       44.7       44.8       45.4       45.4       45.6       45.7       45.9       46.3       46.9         6       45.3       45.4       45.7       46.0       46.0       46.2       46.3       46.4       46.9       47.5         7       46.4       46.6       46.9       47.2       47.2       47.3       47.5       47.6       48.0       48.6         6       50.5       50.7       50.9       51.2       51.2       51.4       51.5       51.7       52.1       52.7         7       52.5       52.7       53.0       53.3       53.3       53.4       53.6       53.7       54.1       54.7         7       56.7       57.0       57.3       57.6       57.6       57.8       57.9       58.1       58.5       59.1         8       60.8       61.1       61.7       61.7       61.8       62.0       62.1       62.6       63.1         9       70.0       70.4       70.8       71.1       71.1       71.3       71.4       71.6	1	40.8	40.9	41.2	41.5	41.5	41.7	41.8	41.9	42.4	4.3 . 0	
6       44.7       44.8       45.1       45.4       45.4       45.7       46.0       46.0       46.2       46.3       46.4       46.9       47.5         7       46.4       46.6       46.9       47.2       47.2       47.3       47.5       47.6       48.0       48.6         6       50.5       50.7       50.9       51.2       51.2       51.4       51.5       51.7       52.1       52.7         7       56.7       57.0       57.3       57.6       57.6       57.8       53.6       53.7       54.1       54.7         7       56.7       57.0       57.3       57.6       57.6       57.8       53.6       53.7       54.1       54.7         7       56.7       57.0       57.3       57.6       57.6       57.8       57.9       58.1       58.5       59.1         8       60.8       61.1       61.4       61.7       61.7       61.8       62.0       62.1       62.6       63.1         9       70.0       70.4       70.8       71.1       71.1       71.3       71.4       71.6       72.0       72.6         75.6       76.3       76.8       77.1 <td>. 6</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	. 6											
6	Ü											
7 46.4 46.6 46.9 47.2 47.2 47.3 47.5 47.6 48.0 48.6  6 50.5 50.7 50.9 51.2 51.2 51.4 51.5 51.7 52.1 52.7  7 52.5 52.7 53.0 53.3 53.3 53.4 53.6 53.7 54.1 54.7  7 56.7 57.0 57.3 57.6 57.6 57.8 57.9 58.1 58.5 59.1  8 60.8 61.1 61.4 61.7 61.7 61.8 62.0 62.1 62.6 63.1  9 66.9 67.3 67.8 68.1 68.1 68.2 68.4 68.5 68.9 69.5  9 70.0 70.4 70.8 71.1 71.1 71.3 71.4 71.6 72.0 72.6  75.6 76.3 76.8 77.1 77.1 77.2 77.4 77.5 77.9 78.5  76.2 76.9 77.4 77.6 77.6 77.8 77.9 78.1 78.5 79.1  4 82.6 83.3 83.7 84.0 84.0 84.2 84.3 84.5 84.9 85.5  85.6 86.5 86.9 87.2 87.2 87.4 87.5 87.7 88.1 88.7  6 87.8 88.7 89.1 89.4 89.4 89.6 89.7 89.8 90.3 90.9  2 88.4 89.3 89.7 90.0 90.0 90.1 90.3 90.4 90.9 91.4  1 89.6 90.4 90.9 91.1 91.1 91.3 91.4 91.6 92.0 92.6  2 90.3 91.3 91.7 92.0 92.0 92.2 92.3 92.5 92.9 93.5  9 93.2 94.3 94.8 95.1 95.1 95.2 95.4 95.5 95.9 96.5  9 33.6 95.2 95.8 96.1 96.1 96.2 96.5 97.0 97.7 98.3  9 3.6 95.2 95.8 96.1 96.1 96.2 96.7 97.1 98.1 98.7  9 93.6 95.2 95.8 96.1 96.1 96.2 96.7 97.1 98.1 98.7  9 93.6 95.2 95.8 96.1 96.2 96.4 96.8 97.2 98.3 99.4	6											
50.5 50.7 50.9 51.2 51.2 51.4 51.5 51.7 52.1 52.7 52.5 52.5 52.7 53.0 53.3 53.3 53.4 53.6 53.7 54.1 54.7 55.5 52.5 52.7 57.0 57.3 57.6 57.6 57.8 57.9 58.1 58.5 59.1 60.8 61.1 61.4 61.7 61.7 61.8 62.0 62.1 62.6 63.1 66.9 67.3 67.8 68.1 68.1 68.2 68.4 68.5 68.9 69.5 66.9 67.3 67.8 68.1 77.1 77.1 77.2 77.4 77.5 77.9 78.5 77.9 78.5 76.2 76.2 76.9 77.4 77.6 77.6 77.8 77.9 78.1 78.5 79.1 82.6 83.3 83.7 84.0 84.0 84.2 84.3 84.5 84.9 85.5 85.6 86.5 86.9 87.2 87.2 87.4 87.5 87.7 88.1 88.7 88.1 88.7 87.2 87.2 87.4 87.5 87.7 88.1 88.7 88.4 89.3 89.7 90.0 90.0 90.1 90.3 90.4 90.9 91.4 89.6 89.7 89.8 90.3 90.9 91.4 89.6 89.7 89.8 90.3 90.9 91.4 89.6 90.4 90.9 91.1 91.1 91.3 91.4 91.6 92.0 92.6 90.3 91.3 91.7 92.0 92.0 92.2 92.3 92.5 92.9 93.5 92.3 93.3 93.8 94.0 94.0 94.2 94.3 94.5 94.9 95.5 95.9 96.5 97.0 97.7 98.3 93.6 95.2 95.8 96.1 96.1 96.2 96.5 97.0 97.7 98.3 93.6 95.2 95.8 96.1 96.1 96.2 96.7 97.1 98.1 99.3 99.4 99.9 91.3 93.6 95.2 95.8 96.1 96.1 96.2 96.7 97.1 98.1 99.3 99.4 99.9 91.3 93.6 95.2 95.8 96.1 96.1 96.2 96.7 97.1 98.1 99.3 99.4 99.9 91.3 93.6 95.2 95.8 96.1 96.1 96.2 96.7 97.1 98.1 98.7 99.3 93.6 95.2 95.8 96.1 96.1 96.2 96.7 97.1 98.1 98.7 99.3 93.6 95.2 95.8 96.1 96.1 96.2 96.7 97.1 98.1 99.3 99.4	7											
7       52.5       52.7       53.0       53.3       53.3       53.4       53.6       53.7       54.1       54.7         7       56.7       57.0       57.3       57.6       57.6       57.8       57.9       58.1       58.5       59.1         8       60.8       61.1       61.4       61.7       61.8       62.0       62.1       62.6       63.1         9       70.0       70.4       70.8       71.1       71.1       71.3       71.4       71.6       72.0       72.6         6       75.6       76.3       76.8       77.1       77.1       77.2       77.4       77.5       77.9       78.5         2       76.2       76.9       77.4       77.6       77.6       77.8       77.9       78.1       78.5       79.1         4       82.6       83.3       83.7       84.0       84.0       84.2       84.3       84.9       85.5         5       85.6       86.5       86.9       87.2       87.4       87.5       87.7       88.1       88.7         8       89.1       89.4       89.6       89.7       89.8       90.3       90.9         88.4					,, -							
7       52.5       52.7       53.0       53.3       53.3       53.4       53.6       53.7       54.1       54.7         7       56.7       57.0       57.3       57.6       57.6       57.8       57.9       58.1       58.5       59.1         8       60.8       61.1       61.4       61.7       61.8       62.0       62.1       62.6       63.1         9       70.0       70.4       70.8       71.1       71.1       71.3       71.4       71.6       72.0       72.6         6       75.6       76.3       76.8       77.1       77.1       77.2       77.4       77.5       77.9       78.5         2       76.2       76.9       77.4       77.6       77.8       77.9       78.1       78.5       79.1         4       82.6       83.3       83.7       84.0       84.0       84.2       84.3       84.9       85.5         5       85.6       86.5       86.9       87.2       87.2       87.4       87.5       87.7       88.1       88.7         6       87.8       89.1       89.4       89.6       89.7       89.8       90.3       90.9	6	50.5	50.7	50.9	51.2	51.2	51.4	51.5	51.7	52.1	52.7	
7       56.7       57.0       57.3       57.6       57.6       57.8       57.9       58.1       58.5       59.1         8       60.8       61.1       61.4       61.7       61.7       61.8       62.0       62.1       62.6       63.1         9       66.9       67.3       67.8       68.1       68.2       68.4       68.5       68.9       69.5         9       70.0       70.4       70.8       71.1       71.1       71.3       71.4       71.6       72.0       72.6         6       75.6       76.3       76.8       77.1       77.1       77.2       77.4       77.5       77.9       78.5         2       76.2       76.9       77.4       77.6       77.8       77.9       78.1       78.5       79.1         4       82.6       83.3       83.7       84.0       84.0       84.2       84.3       84.5       84.9       85.5         5       85.6       86.5       86.9       87.2       87.4       87.5       87.7       88.1       88.7         8       84.8       89.4       89.4       89.6       89.7       89.8       90.3       90.9	7	52.5	52.7	53.0		53.3		_	- '			
9 66.9 67.3 67.8 68.1 68.1 68.2 68.4 68.5 68.9 69.5  9 70.0 70.4 70.8 71.1 71.1 71.3 71.4 71.6 72.0 72.6  6 75.6 76.3 76.8 77.1 77.1 77.2 77.4 77.5 77.9 78.5  2 76.2 76.9 77.4 77.6 77.6 77.8 77.9 78.1 78.5 79.1  8 2.6 83.3 83.7 84.0 84.0 84.2 84.3 84.5 84.9 85.5  8 5.6 86.5 86.9 87.2 87.2 87.4 87.5 87.7 88.1 88.7  6 87.8 88.7 89.1 89.4 89.4 89.6 89.7 89.8 90.3 90.9  2 88.4 89.3 89.7 90.0 90.0 90.1 90.3 90.4 90.9 91.4  1 89.6 90.4 90.9 91.1 91.1 91.3 91.4 91.6 92.0 92.6  2 90.3 91.3 91.7 92.0 92.0 92.2 92.3 92.5 92.9 93.5  3 92.3 93.3 93.8 94.0 94.0 94.2 94.3 94.5 94.9 95.5  9 3.2 94.3 94.8 95.1 95.1 95.2 95.4 95.5 95.9 96.5  3 93.6 95.2 95.8 96.1 96.1 96.2 96.5 97.0 97.7 98.3  2 93.6 95.2 95.8 96.1 96.1 96.2 96.7 97.1 98.1 98.7  9 3.6 95.2 95.8 96.1 96.1 96.2 96.7 97.1 98.1 98.7  9 3.6 95.2 95.8 96.1 96.1 96.2 96.7 97.1 98.1 99.3  9 3.6 95.2 95.8 96.1 96.1 96.2 96.7 97.1 98.1 99.3  9 3.6 95.2 95.8 96.1 96.1 96.2 96.7 97.1 98.1 99.3  9 3.6 95.2 95.8 96.1 96.1 96.2 96.7 97.1 98.1 99.3  9 3.6 95.2 95.8 96.1 96.1 96.2 96.7 97.1 98.1 99.3  9 3.6 95.2 95.8 96.1 96.1 96.2 96.7 97.1 98.1 99.3  9 3.6 95.2 95.8 96.1 96.1 96.2 96.7 97.1 98.1 99.3  9 3.6 95.2 95.8 96.1 96.2 96.4 96.8 97.2 98.3 99.4	7	56 • 7	57.0	57.3	57.6	57.6	57.8	57.9	58.1			
9 66.9 67.3 67.8 68.1 68.1 68.2 68.4 68.5 68.9 69.5  9 70.0 70.4 70.8 71.1 71.1 71.3 71.4 71.6 72.0 72.6  6 75.6 76.3 76.8 77.1 77.1 77.2 77.4 77.5 77.9 78.5  2 76.2 76.9 77.4 77.6 77.6 77.8 77.9 78.1 78.5 79.1  8 2.6 83.3 83.7 84.0 84.0 84.2 84.3 84.5 84.9 85.5  8 5.6 86.5 86.9 87.2 87.2 87.4 87.5 87.7 88.1 88.7  6 87.8 88.7 89.1 89.4 89.4 89.6 89.7 89.8 90.3 90.9  2 88.4 89.3 89.7 90.0 90.0 90.1 90.3 90.4 90.9 91.4  1 89.6 90.4 90.9 91.1 91.1 91.3 91.4 91.6 92.0 92.6  2 90.3 91.3 91.7 92.0 92.0 92.2 92.3 92.5 92.9 93.5  3 92.3 93.3 93.8 94.0 94.0 94.2 94.3 94.5 94.9 95.5  9 3.2 94.3 94.8 95.1 95.1 95.2 95.4 95.5 95.9 96.5  3 93.6 95.2 95.8 96.1 96.1 96.2 96.5 97.0 97.7 98.3  2 93.6 95.2 95.8 96.1 96.1 96.2 96.7 97.1 98.1 98.7  9 3.6 95.2 95.8 96.1 96.1 96.2 96.7 97.1 98.1 98.7  9 3.6 95.2 95.8 96.1 96.1 96.2 96.7 97.1 98.1 99.3  9 3.6 95.2 95.8 96.1 96.1 96.2 96.7 97.1 98.1 99.3  9 3.6 95.2 95.8 96.1 96.1 96.2 96.7 97.1 98.1 99.3  9 3.6 95.2 95.8 96.1 96.1 96.2 96.7 97.1 98.1 99.3  9 3.6 95.2 95.8 96.1 96.1 96.2 96.7 97.1 98.1 99.3  9 3.6 95.2 95.8 96.1 96.1 96.2 96.7 97.1 98.1 99.3  9 3.6 95.2 95.8 96.1 96.1 96.2 96.7 97.1 98.1 99.3  9 3.6 95.2 95.8 96.1 96.2 96.4 96.8 97.2 98.3 99.4	. é	8.03	61.1	61.4	61.7	61.7	61.8	62.0	62-1	62.6	63.1	
6 75.6 76.3 76.8 77.1 77.1 77.2 77.4 77.5 77.9 78.5 76.2 76.2 76.9 77.4 77.6 77.6 77.8 77.9 78.1 78.5 79.1 82.6 83.3 83.7 84.0 84.0 84.2 84.3 84.5 84.9 85.5 85.6 86.5 86.9 87.2 87.2 87.4 87.5 87.7 88.1 88.7 88.1 88.7 89.1 89.4 89.4 89.6 89.7 89.8 90.3 90.9 88.4 89.3 89.7 90.0 90.0 90.1 90.3 90.4 90.9 91.4 89.6 90.4 90.9 91.1 91.1 91.3 91.4 91.6 92.0 92.6 90.3 91.3 91.7 92.0 92.0 92.2 92.3 92.5 92.9 93.5 92.3 93.3 93.8 94.0 94.0 94.2 94.3 94.5 94.9 95.5 95.5 95.9 96.5 93.6 95.2 95.8 96.1 96.1 96.2 96.7 97.1 98.1 98.7 93.6 95.2 95.8 96.1 96.1 96.2 96.7 97.1 98.1 98.7 93.6 95.2 95.8 96.1 96.1 96.2 96.7 97.1 98.1 99.3 93.6 95.2 95.8 96.1 96.2 96.4 96.8 97.2 98.3 99.4	9	66.9				68.1	68 • 2	68.•4	68.5	68.9		
6 75.6 76.3 76.8 77.1 77.1 77.2 77.4 77.5 77.9 78.5 76.2 76.2 76.9 77.4 77.6 77.6 77.8 77.9 78.1 78.5 79.1 82.6 83.3 83.7 84.0 84.0 84.2 84.3 84.5 84.9 85.5 85.6 86.5 86.9 87.2 87.2 87.4 87.5 87.7 88.1 88.7 88.1 88.7 89.1 89.4 89.4 89.6 89.7 89.8 90.3 90.9 88.4 89.3 89.7 90.0 90.0 90.1 90.3 90.4 90.9 91.4 89.6 90.4 90.9 91.1 91.1 91.3 91.4 91.6 92.0 92.6 90.3 91.3 91.7 92.0 92.0 92.2 92.3 92.5 92.9 93.5 92.3 93.3 93.8 94.0 94.0 94.2 94.3 94.5 94.9 95.5 95.5 95.9 96.5 93.6 95.2 95.8 96.1 96.1 96.2 96.5 97.0 97.7 98.3 93.6 95.2 95.8 96.1 96.1 96.2 96.7 97.1 98.1 98.7 93.6 95.2 95.8 96.1 96.1 96.2 96.7 97.1 98.1 98.7 93.6 95.2 95.8 96.1 96.1 96.2 96.7 97.1 98.1 99.3 99.4												
2       76.2       76.9       77.4       77.6       77.6       77.8       77.9       78.1       78.5       79.1         4       82.6       83.3       83.7       84.0       84.0       84.2       84.3       84.5       84.9       85.5         5       85.6       86.5       86.9       87.2       87.4       87.5       87.7       88.1       88.7         6       87.8       88.7       89.1       89.4       89.6       89.7       89.8       90.3       90.9         2       88.4       89.3       89.7       90.0       90.0       90.1       90.3       90.4       90.9       91.4         1       89.6       90.4       90.9       91.1       91.1       91.3       91.4       91.6       92.0       92.0       92.2       92.3       92.5       92.9       93.5         2       90.3       91.3       91.7       92.0       92.0       92.2       92.3       92.5       92.9       93.5         3       93.3       93.8       94.0       94.0       94.2       94.3       94.5       94.9       95.5         9       93.2       95.8       96.1       96.1	9	70.0	70.4	7.0 • 8	71.1	71.1	71.3	71.4	71.6	72.0	72.6	
4       82.6       83.3       83.7       84.0       84.0       84.2       84.3       84.5       84.9       85.5         85.6       86.5       86.9       87.2       87.4       87.5       87.7       88.1       88.7         6       87.8       88.7       89.1       89.4       89.6       89.7       89.8       90.3       90.9         2       88.4       89.3       89.7       90.0       90.1       90.3       90.4       90.9       91.4         1       89.6       90.4       90.9       91.1       91.1       91.3       91.4       91.6       92.0       92.0       92.2       92.3       92.5       92.9       93.5         2       90.3       91.3       91.7       92.0       92.2       92.3       92.5       92.9       93.5         3       92.3       93.3       93.8       94.0       94.0       94.2       94.3       94.5       94.9       95.5         9       93.2       94.3       94.8       95.1       95.1       95.2       95.4       95.5       95.9       96.5         3       93.6       95.2       95.8       96.1       96.1       96.2 <td>6</td> <td>75.6</td> <td>76.3</td> <td>76.8</td> <td>77.1</td> <td>77.1</td> <td>7.7.2</td> <td>77.4</td> <td>77.5</td> <td>77.9</td> <td>78.5</td> <td></td>	6	75.6	76.3	76.8	77.1	77.1	7.7.2	77.4	77.5	77.9	78.5	
5       85.6       86.5       86.9       87.2       87.2       87.4       87.5       87.7       88.1       88.7         6       87.8       88.7       89.1       89.4       89.6       89.7       89.8       90.3       90.9         2       88.4       89.3       89.7       90.0       90.0       90.1       90.3       90.4       90.9       91.4         1       89.6       90.4       90.9       91.1       91.1       91.3       91.4       91.6       92.0       92.6         2       90.3       91.3       91.7       92.0       92.2       92.3       92.5       92.9       93.5         3       92.3       93.3       93.8       94.0       94.0       94.2       94.3       94.5       94.9       95.5         9       93.2       94.3       94.8       95.1       95.1       95.2       95.4       95.5       95.9       96.5         9       93.2       94.3       94.8       95.1       95.1       95.2       95.4       95.5       95.9       96.5         3       93.6       95.2       95.8       96.1       96.1       96.2       96.5       97.0	2	76.2	7.6.9	77.4	77.6	77.6	77.8	77.9	78. 1	7-8.5	79.1	
6 87.8 88.7 89.1 89.4 89.4 89.6 89.7 89.8 90.3 90.9 2 88.4 89.3 89.7 90.0 90.0 90.1 90.3 90.4 90.9 91.4 1 89.6 90.4 90.9 91.1 91.1 91.3 91.4 91.6 92.0 92.6 2 90.3 91.3 91.7 92.0 92.0 92.2 92.3 92.5 92.9 93.5 92.3 93.3 93.8 94.0 94.0 94.2 94.3 94.5 94.9 95.5 95.5 95.9 96.5 93.6 95.2 95.8 96.1 96.1 96.2 96.5 97.0 97.7 98.3 93.6 95.2 95.8 96.1 96.1 96.2 96.7 97.1 98.1 98.7 93.6 95.2 95.8 96.1 96.1 96.2 96.7 97.1 98.1 98.7 93.6 95.2 95.8 96.1 96.1 96.2 96.7 97.1 98.1 99.3 93.6 95.2 95.8 96.1 96.1 96.2 96.7 97.1 98.1 99.3 93.6 95.2 95.8 96.1 96.1 96.2 96.7 97.1 98.1 99.3 93.6 95.2 95.8 96.1 96.2 96.4 96.8 97.2 98.3 99.4	. 4			83.7	84.0	8-40	84.2	84.3	84-•5	84.9	85.5	
2       88.4       89.3       89.7       90.0       90.0       90.1       90.3       90.4       90.9       91.4         1       89.6       90.4       90.9       91.1       91.1       91.3       91.4       91.6       92.0       92.6         2       90.3       91.3       91.7       92.0       92.0       92.2       92.3       92.5       92.9       93.5         3       92.3       93.3       93.8       94.0       94.0       94.2       94.3       94.5       94.9       95.5         9       93.2       94.3       94.8       95.1       95.1       95.2       95.4       95.5       95.9       96.5         93.6       95.2       95.8       96.1       96.1       96.2       96.5       97.0       97.7       98.3         3       93.6       95.2       95.8       96.1       96.1       96.2       96.7       97.1       98.1       98.7         3       93.6       95.2       95.8       96.1       96.2       96.7       97.1       98.1       99.3         3       93.6       95.2       95.8       96.1       96.2       96.7       97.1       98.1 <td>5</td> <td>85.6</td> <td>86.5</td> <td>86.9</td> <td>87.2</td> <td>87.2</td> <td>874</td> <td>87.5</td> <td>8-77</td> <td>88 • 1</td> <td>88•7</td> <td></td>	5	85.6	86.5	86.9	87.2	87.2	874	87.5	8-77	88 • 1	88•7	
2       88.4       89.3       89.7       90.0       90.0       90.1       90.3       90.4       90.9       91.4         1       89.6       90.4       90.9       91.1       91.1       91.3       91.4       91.6       92.0       92.6         2       90.3       91.3       91.7       92.0       92.0       92.2       92.3       92.5       92.9       93.5         3       92.3       93.3       93.8       94.0       94.0       94.2       94.3       94.5       94.9       95.5         9       93.2       94.3       94.8       95.1       95.1       95.2       95.4       95.5       95.9       96.5         93.6       95.2       95.8       96.1       96.1       96.2       96.5       97.0       97.7       98.3         3       93.6       95.2       95.8       96.1       96.1       96.2       96.7       97.1       98.1       98.7         3       93.6       95.2       95.8       96.1       96.2       96.7       97.1       98.1       99.3         3       93.6       95.2       95.8       96.1       96.2       96.7       97.1       98.1 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>												
1       89.6       90.4       90.9       91.1       91.1       91.3       91.4       91.6       92.0       92.6         2       90.3       91.3       91.7       92.0       92.2       92.3       92.5       92.9       93.5         3       92.3       93.3       93.8       94.0       94.0       94.2       94.3       94.5       94.9       95.5         9       93.2       94.3       94.8       95.1       95.1       95.2       95.4       95.5       94.9       95.5         9       93.6       95.2       95.8       96.1       96.1       96.2       96.5       97.0       97.7       98.3         3       93.6       95.2       95.8       96.1       96.1       96.2       96.7       97.1       98.1       98.7         3       93.6       95.2       95.8       96.1       96.1       96.2       96.7       97.1       98.1       99.3         3       93.6       95.2       95.8       96.1       96.2       96.7       97.1       98.1       99.3         3       93.6       95.2       95.8       96.1       96.2       96.7       97.1       98.3	6					-						
2       90.3       91.3       91.7       92.0       92.2       92.3       92.5       92.9       93.5         3       92.3       93.3       93.8       94.0       94.0       94.2       94.3       94.5       94.9       95.5         9       93.2       94.3       94.8       95.1       95.1       95.2       95.4       95.5       95.9       96.5         3       93.6       95.2       95.8       96.1       96.1       96.2       96.5       97.0       97.7       98.3         3       93.6       95.2       95.8       96.1       96.1       96.2       96.7       97.1       98.1       98.7         3       93.6       95.2       95.8       96.1       96.1       96.2       96.7       97.1       98.1       99.3         3       93.6       95.2       95.8       96.1       96.1       96.2       96.7       97.1       98.1       99.3         3       93.6       95.2       95.8       96.1       96.2       96.7       97.1       98.1       99.3         3       93.6       95.2       95.8       96.1       96.2       96.4       96.8       97.2	2						-	_				
3       92.3       93.3       93.8       94.0       94.0       94.2       94.3       94.5       94.9       95.5         9       93.2       94.3       94.8       95.1       95.1       95.2       95.4       95.5       95.9       96.5         3       93.6       95.2       95.8       96.1       96.1       96.2       96.5       97.0       97.7       98.3         3       93.6       95.2       95.8       96.1       96.1       96.2       96.7       97.1       98.1       98.7         3       93.6       95.2       95.8       96.1       96.1       96.2       96.7       97.1       98.1       99.3         3       93.6       95.2       95.8       96.1       96.2       96.4       96.8       97.2       98.3       99.4	1				*							
9     93.2     94.8     95.1     95.1     95.2     95.4     95.5     95.9     96.5       3     93.6     95.2     95.8     96.1     96.1     96.2     96.5     97.0     97.7     98.3       3     93.6     95.2     95.8     96.1     96.1     96.2     96.7     97.1     98.1     98.7       3     93.6     95.2     95.8     96.1     96.1     96.2     96.7     97.1     98.1     99.3       3     93.6     95.2     95.8     96.1     96.2     96.4     96.8     97.2     98.3     99.4	. 2							£-	_			
3     93.6     95.2     95.8     96.1     96.1     96.2     96.5     97.0     97.7     98.3       3     93.6     95.2     95.8     96.1     96.1     96.2     96.7     97.1     98.1     98.7       3     93.6     95.2     95.8     96.1     96.1     96.2     96.7     97.1     98.1     99.3       3     93.6     95.2     95.8     96.1     96.2     96.4     96.8     97.2     98.3     99.4	3	92.3	93.3	93.8	94.0	94.0	94.2	94.3	94.•-5	94.9	95.5	
3     93.6     95.2     95.8     96.1     96.1     96.2     96.5     97.0     97.7     98.3       3     93.6     95.2     95.8     96.1     96.1     96.2     96.7     97.1     98.1     98.7       3     93.6     95.2     95.8     96.1     96.1     96.2     96.7     97.1     98.1     99.3       3     93.6     95.2     95.8     96.1     96.2     96.4     96.8     97.2     98.3     99.4											<del>-</del>	
3     93.6     95.2     95.8     96.1     96.1     96.2     96.7     97.1     98.1     98.7       3     93.6     95.2     95.8     96.1     96.1     96.2     96.7     97.1     98.1     99.3       3     93.6     95.2     95.8     96.1     96.2     96.4     96.8     97.2     98.3     99.4	9											
3 93.6 95.2 95.8 96.1 96.1 96.2 96.7 97.1 98.1 99.3 3 93.6 95.2 95.8 96.1 96.2 96.4 96.8 97.2 98.3 99.4	3						-	-	-			
3 93.6 95.2 95.8 96.1 96.2 96.4 96.8 97.2 98.3 99.4	3					•	-					
3 93.6 95.2 95.8 96.1 96.2 96.4 96.8 97.2 98.3 100.0	J	73.0	73.4	75 • B	Ap • 1	76.2	90 · 4	70 • B	91.2	98.3	<b>99.4</b> -	
* * * * * * * * * * * * * * * * * * *	3	07.6	05.2	Q5 . B	96.1	96.2	96 U	96 8	97.2	Q-Q _ T	100.0	
		70 10	7	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	70 1		/U****	, O . O	/104	70.5		_
		7 7 9 8-				<u>-</u>					* * * * * * * * * * * * * * *	•

GLUBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

FE		GT 16-0	GE 90	GE 80	6E 6 <sub>0</sub>	GE 48	GE 4 C	/ISIBILI GE 32	TY IN H GE 24	Ü
N 0	CEIL	-	79.7	29.7	31.4	32.5	32 • 5	33.0	33.2	-
UE GE GE	20000  18000  16000  14000  12000		33.2 33.2 33.2 33.2 33.5	33.2 33.2 33.2 33.2 33.5	35.1 35.1 35.1 35.1 35.4	36 • 1 36 • 1 36 • 1 36 • 1 36 • 4	36.1 36.1 36.1 36.1	36.6 36.6 36.6 36.6 36.9	36,8 36,8 36,8 36,8	-
6 E 6 E 6 E 6 E	10000  9000  8000  7000  6000		76.1 36.1 39.9 40.4 412	36.1 36.1 39.9 49.4 41.2	38.0 38.0 42.1 42.6 43.5	39.0 39.0 43.1 43.6 44.5	39.0 39.0 43.1 43.6 44.5	39.7 39.7 43.8 44.7 45.5	39.9 39.9 44.0 44.8 45.7	
G E G E G E G E	5000  4500  4500  3500  3000	• 2	45.7 46.9 50.5 54.5 58.4	45.7 46.9 50.5 54.5 58.6	48.3 49.5 53.1 57.0 61.5	49.3 50.5 54.1 58.2 63.1	49.3 50.5 54.1 58.2 63.1	50.3 51.5 55.2 59.3 64.1	50.5 51.9 55.5 59.8 64.8	:
6E 6E 6E 6E	25 00   20 00   18 00   15 00   12 00	· 2 · 2 · 2 · 2	60.5 65.6 66.3 70.4 72.9	60.7 66.0 66.7 70.8 73.4	63.6 69.6 70.3 74.6 77.7	65.1 71.1 71.8 76.1 79.2	65.1 71.1 7 <sub>1.8</sub> 76.1 79.2	66.2 72.2 72.9 77.1 80.2	668 72.9 73.5 78.2 81.3	- {
6 E 6 E 6 E 6 E	1000-1 900-1 800-1 700-1 600-1	.2	74.7 75.4 75.8 76.1 76.5	75.3 75.9 76.6 77.1 77.5	80 • 1 80 • 9 82 • 1 83 • 2 84 • 5	81.6 82.5 83.7 84.7 86.4	81.6 22.5 83.7 84.7 86.4	82.6 83.5 85.1 86.1 87.8	83.7 84.5 86.1 87.1 88.8	
6 E 6 E 6 E 6 E	500   4 cc   3 00   2 00   1 00 '		77.0 77.0	78 • 0 78 • 0 78 • 0		88.0 88.0 88.0	87.3 88.0 88.0 88.0	89.3 89.9 89.9	89.7 90.4 90.9 91.2 91.2	
G E	01					83.0		89.9		•

Y OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

IBIL	ÍTY IN I	HUNDREGS	OF ME	TERS					
3 E	GE	GE	GE	GE	GE	GΕ	GE	GE	GE
32		50					5	4	0
• • •	• • • • • • •				) & # 0 0×426 (		• • • • • •		
•0	33.2	33.3	33.7	34.0	34.4	34.5	35.7	36 . 3	3:7 • 8
. 6	36.8	36.9	7.3	37.6	38 • 0	38.1	39.3	39.9	41.4
• 6	36.8	369	373	3.7 6	38.0	38.1	39.3	39.9	
.6	36.8	36.9	37.3	37.6	38.0	38.1	39 3	39.9	41.4
• 6	36-8	36.9	37.3	37.6	38.0	38.1	39.3	3,9 • 9	41.4
.9	37.1	37.3	37-•6	38.0	38.3	38.5	39.7	40.2	41.8
.7	39.9	40.0	40.4	40.7	41.1	412	42.4	4-3 • D	44.5
. 7	3.9.9	40.0	40.4	40.7	41.1	41.2	42.4	4.3 • 0	44.5
8	44.0	44.2	44.5	44.8	45.2	45.4	46.6	47.1	48.6
1 • 7	44.+8	45.0	45.4	45.7	46.0	46.2	47.4	47.9	49.5
55	45.7	45.9	46-• 2	46 • 6	46.9	4-7 - 1	48.3	48.48	5 p.• 3
1.3	50.5	50.7	51.0	51.4	51.7	51.9	53.1	53.6	5.5.•2
• 5	51.9	52.1	52.4	52.7	53.1	53.3	54.5	55.0	
•2	55.5	55.7	56.0	56.4	56.7	56.9	58.1	58.6	60.1
3	59.8	60.0	60.3	60.7	61.0	61.2	62.4	62.9	64.4
.1	64.8	64.9	65.,3	65.6	66 <b>.</b> • 0	66.•2	67.4	67:•9	69.4
•2	66.8	6.7.8	67.4	67.7	68.0	68-42	69.4	69.9	71.5
2.2	72.9	73-₄0	73.4	73.7	74.1	74.2	75.4	75.9	77-5
. 9	73.5	73.7	74.1	74.4	74.7	74.9	76.1	76.6	78.2
. 1	78.2	784	78.9	79.2	79.6	79.7	80.9	81.4	8 <sup>-</sup> 3 • D
.2	81.3	81.4	82.0	82.3	82.6	82.8	84.0	84.5	86.1
• 6	83.7	8.3 •-8	84.4	84.7	85.1	85.2	86.4	86.9	88.5
• 5	84.5		85.2	85.6	8.5 . 9		87.3	87.8	
•1							88.8		
.1	87.1		87.8				89.9		
8	88.8			89.9					
-•-7	89.7	89.9	90.4	90.7	9-1 1	91.2	92.4	93.0	94.5
• 3	90.4	90.5	91.1	91.4	91.8	91.9	93.1	93.6	-
. 9	90.9	91.2	91.8		92,6	93.0	94.5	95.0	
• 9	91.2	91.6	92.1		93.6	-	95 • 7		
. 9	91.2	91.6		93.3				97.1	-
•9	91-2	91.6	92.•.1	93.3	93.8	94.5	96.2	97-•-3	100.0

O

()

USAFETAC AIR WEATHER SERVICE/MAC

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBS

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEI I FE	LING ET	GT 160	GE 90	GE 80	6E 60	GE 4.8	GE 4 C	VISIBILI GE 32	TY IN F GE 24	UN D
	CEIL	2.1	24.8	25.3	268	27.4	27.5	27.8	28.1	28
6 E 6 E	20000   18000   16000   14000   12000	3.0 3.1 3.1 3.2 3.4	28.4 28.6 28.6 28.8 29.5	29.0 29.2 29.2 29.5 30.2	30.7 30.9 30.9 31.2 31.9	31.5 31.7 31.7 31.9 32.7	31.7 31.9 31.9 32.2 32.9	32.0 32.2 32.2 32.5 33.2	32.5 32.5 32.7 33.5	32 32 32 32 33
6 E 6 E 6 E	10000  9000  8000  7000  6000	3.5 3.5 3.5 3.5 3.6	31.6 32.1 34.9 35.7 36.3	32.3 32.9 35.7 36.5 37.1	34 · 3 34 · 9 37 · 9 38 · 7 39 · 3	35.1 35.7 38.7 39.6 40.2	35.3 35.9 38.9 39.8 40.4	35.7 36.3 39.4 40.3 40.9	36.0 36.6 39.7 40.6 41.3	36 36 39 40 41
G E G E G E G E	5000   4500   4000   3500   3000	4.0 4.3 4.7 5.6 5.6	40.0 42.3 45.7 48.5 53.3	40.9 43.2 46.8 49.6 54.5	43.4 45.8 49.6 52.5 57.7	44.3 46.8 50.6 53.6 59.1	44.5 47.0 50.9 53.9 59.5	45.1 47.6 51.5 54.7 60.4	45.5 48.1 52.1 55.3 61.2	45 48 52 55 61
6 E 6 E 6 E	25 50   20 00   18 00   15 00   12 00	5.9 6.3 6.5 6.7 7.2	55.7 60.2 61.1 64.5 67.9	56.9 61.7 62.7 66.1 69.9	60 • 4 65 • 7 66 • 8 70 • 5 74 • 7	62.0 67.4 68.5 72.5 76.7	62.4 67.8 69.0 72.9 77.2	63.3 68.8 69.9 73.9 78.3	642 69.8 71.0 75.0 79.5	64. 70. 71. 75. 80.
6 E 6 E 6 E 6 E	1000  900  800-  700  600	7.6 7.6 7.6 7.7 7.7	70.3 71.0 71.7 72.7 73.1	72.4 73.1 74.0 75.1 75.6	77.5 78.3 79.4 80.7 81.7	79.7 80.6 81.8 83.1 84.3	80. 2 81. 1 82. 3 83. 7 84. 9	81.3 82.2 83.6 85.1 86.3	82.6 83.5 85.0 86.5 87.9	83. 84. 85. 87. 88.
GE GE GE	5 00   4 00   3 00   2 00   1 00	7 • 7 7 • 7 7 • 7 7 • 7 7 • 7	73.5 73.6 73.6 73.6 73.6	76.0 76.2 76.2 76.2 76.2	82.5 82.8 83.0 83.0	85.3 85.8 86.0 86.0	859 86.6 86.8 86.9 86.9	88.3 88.7 88.8 88.9	89.3 90.3 90.9 91.1 91.1	90. 91. 91. 92. 92.
G E	o.l	7 7	73.6	76.2	83.0	36.0	86 <u>.</u> 9	88.9	91 I	92.

## NCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

1. 9 2. 6 3. 8 3. 9

	D UK					нтиом	: DEC	HOURS	1-76,79- 5(LST):	ALL		
• }	• • • • UTCT	OTI	1 1 1 1 T T	FUNDRED!	-	* * *-* * * *		• • • • • •		• • • - • • •	1-4	
1	ピ ハエコイ	E	GE	GE CN DR EU:	GE GE	GE	C =	<b>۵</b> ۳	C.E.	~ C	0.5	
1		32	24	20	16				GE	GE "	GE	
						12	10	8	5	4	O	
1		•••		• • • • • • • •		• • • • • •	• • • • • • •	• • • • • •		* * * . * * * *		
1	27	. 8	28.1	28.2	28.6	28.7	28.8	29.0	29.43	29.5	30.3	
d	32	.0	32.3	32.3	32.8	32.9	33.1	33.2	33.5	33.7	34.5	
i [	32	.2	32.5	32.5	33.0	33.1	33.3	33.4	33.7	33.9		
ì	32	.2	32.5	32.6	33.0	33.1	33.3	33.4	33.7	34.0	34.8	
1	3-2		32.7	32.8	33.3	33.4	33.5	33.7	34.0			
Ì		• 2	33.5	33.6	34.1	34.2				34.2		
		• 4	77.5	33.0	34 4 1	J4 • 2	34.3	345	34.8	35.0	35 • 8	
	35	. 7	36.0	36.1	366	36 • 7	36.9	37.0	37.3	37.6	70 11	
	36		36.6	36.7	37.2	37.3						
	39		39.7	39.9	40.4		37.5	37.7	38.0	38.2	39.0	
	40					40.6	40.7	40.9	41.2	41.4		
			40.6	40.8	41.3	41.4	41.6	41.8	42.1	42.3		
	40	• 9	41-3	41.5	42.0	42.2	42.3	42.5	42.8	4.3.• 0	43.8	
	45	. 1	45.5	45.7	46.3	46.4	n 6 - 6	4	4.7.0	. ~ ~		
	47		48.1	48.4			466	46 • 7	47.0	47.3	48-•1	
					48.9	49.1	49.3	49.4	49.7	49.9		
	51		52.1	52.3	52.9	53.1	53.43	53.5	53.8	54.0	54.8	
	5-4		55.3	55.7	563	56.5	56.7	569	57.2	57.4	58-3	
	6 C-	• 4	61.2	61.7	62.5	62.7	62.9	63.0	63.4	63.6	6-4 • 5	
		-,					_					
	63		64.2	64.7	65.5	65.7	65.9	66.0	66.4	6.6 • 6	67.5	
	68		69-8	70.3	71.1	71.3	71.5	71.7	72.0	72.2	7-3 • 1	
	69		71.0	71.5	72.2	7:2 • 5	72.7	72.9	73.2	73.4	74.3	
	73	• 9	75.0	75.5	76.3	76.6	76 • 8	77.0	77.3	77:.6	7-8.4	
	78	. 3	79.5	80.1	81.0	81.3	81.5	81.6	82.0	82.2	8-3 • 1	
							•		*			
	81		82.6	83.1	84.1	84.4	84.6	84.8	85.1	8.54	8-62	
	82	• 2	8.3.• 5	84 • 1	85.1	85.3	85.6	85.7	86.1	86.3	87 <b>-</b> •2	
	გ3.	• 6	85.C	35.6	86.5	86.8	87.0	87.2	87.6	87.8	887	
	85	. 1	86.5	87.1	88.1	88.4	88.7	88.8	89.2	89.5	90.4	
	86-	. 3	87.9	88.5	89-6	89.8	90.1	90.3	90.7	90.9		
		-			u., • •	0710	, 4 • 1	70	7 <b>U</b> •:1	70.7	9:1 • 8	
	87.	6	89.3	90.1	91.2	91.5	91.7	9.1 • 9	92.4	92.6	93.5	
	88,	. 3	90.3	91.2	92.4	92.7	93.D	93.2	93.8	94.1	95.0	
	88.	-	90.9	91.9	93.3	93.7	94.0	94.3	95.0		-	
	88		91-1	92.1	939	94.5				95.4	96.4	
	88		91.1	9.2.2			94.9	95.3	96.2	96.9	98•6	
	VO	. 7	/ 1 + 1	7-6 4 6	94.0	94.8	95.3	9.5 • 7	96.8	9.7 • 5	9-9 • 4-	
	88.	9	91.1	92.2	94.0	94.8	95.3	95.7	96.9	07 7	100.0	
			,	/ for V=for	7 - F T U	/ T # Q	-7 J 4 J	) # U .	70.7	97.7	100.0	
	_		••						T U T-D 0 8 0°4		.4 \$ \$*0 0'0 0 \$ 0 \$*0	
								*				

ز

USAFETAC AIR WEATHER SERVICE/MAC

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSE

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

								e-e-e e e e e		
	LING	• • • • •	•••••				• • • • •	VISIBIL		
I		GT	GΕ	CE	GE	CE	GE	GE	GĒ	GE
FEI		160	90	80	60	48	4-0	32	24	2
		• • • • •		• • • • • • •	•••••					
NC	CETL	2.5	28.5	29-•3	31-1	32.0	32.2	32.7	33.0	33.
	0414 )	£	2013	27.45	27.4.7	32.00	~~~~		00.0	
GE:	200001	3.5	33.2	34.1	36.3	37.4	37.6	38.2	38.6	38.
	180001	3.5	33.4	34.2	36.4	37.5	37.7	38:∙3	38.8	39.
GE	160001	3•€	33.4	34.3	36 • 4	37.5	37.8	38.4	38.8	3-9 •
	140001	3.6	33.7	34.6	36 • 7	37·8	38.1	38.7	39.1	3.9 •
	120001	3.9	34.5	35.5	37.7	38.8	39.1	39.7	40.1	40.
	100001	4.1	37.2	33.2	40.7	41.9	42.2	42.9	43.3	43.
GE	90001	4.2	38.1	39.1	41.6	42.8	43.1	4-3-•8	44.3	44.
6 E	10008	4.2	$^{4}1 \cdot 1$	42.2	45.0	46.3	46.6	47.3	47.8	48.
ΰE	7000	4.3	42.1	43.2	46.0	47.4	47 • 7	48.5	49.0	49.
GΕ	6000-	4-, 5	43.2	44.4	47.3	48 - 7	49.0	4-9-•-8	50.3	50-
,~ <b>(*</b>	eeno.	- O	0.3. 7	110 C	52.7	54 - 2	54.5	55.5	56.0	56.
GE	5000	5.0	43.2	49.5				58.9	59.5	59.
GE	45001	5.3	51.2	52.6	56-• U	57.6	57 9	63.5	64.1	57. 64.
G E	40001	5.6	55.3	56.8	60.4	62-1	62 • 4			
GE	35 50	5.9	58.1	59.7	63.4	65.2	65.6	66.6	67.3	67•
C E	30001	6.3	62.9	64.7	687	70.7	7.1-• 1	72.2	73.0	73.
GE	25001	6•6	64.7	66.5	70 - 7	72.8	73.2	74.4	7:5.3	75.
GE	2000	7.0	68.1	70.1	74 7	76.9	77.4	78.7	79.6	80.
GE	1800	7.2	68.8	70.9	75.5	77.8	78.3	79.6	80.6	81.
Gξ	1500	7.4	71.1	73.3	78.4	80.8	81.3	82 • 8	83.8	84
G E	1200	7.7	73.2	7-5 • 6	81.1	83.6	842	85.8	87.0	87.
O C	12 00;	r ÷ r	. 3 . 2	1010	W-1 V 1	4510	0.1.4.7	02.5	3	0 1:1
GE	1000	7.8	74.5	77.0	82.7	85.4	86. O	87.7	89.0	89.
G E	900	7.9	75.0	77 •E	83.3	86.1	86.7	88.5	898	9.0
GE	3661	7.9	75.5	7-8 1	84.1	87.0	87.• 7	896	90.9	91.
GE	700	7.9	76.0	78.7	85.0	87.9	88 6	90.6	92.1	92.
GE	600	8.0	76.2	7-9 -0	85 - 4	88.5	89.2	91.3	92.8	9 3-1
U	200,							-	•	_
GΕ	5001	8.0	76 • 4	79.2	35.7	88.9	89.7	91.8	93.5	94.
G.E	4001	8.0	76.5	79.3	86 • 0	89-•2	90.0	92.3	94.0	94.
GΕ	300	8.0	76.5	7-9 • 3	86.n	89.3	9.0 • 1.	92.4	94.3	9 <sup>-</sup> 5 a
GE	2 00	8.0	76.5	79.3	86 <b>.</b> û	89.3	90.2	92.5	9-4 • -4	95.
GE	100	8.0	76.5	79.3	86.0	89.3	90.2	92.5	94-4	95
	·									-
G-E	0-1	8.0	76.5	79.3	86 • O	89.4	90.2	92.5	94.4	95
	6.4:0 0 0 0 0			. , , , , , ,			• • • • •		-d-&=+ +-+ + (	

jΚ				PERIOD MONTH:		HOURS (		ALL		
	******	11 0 0 0 0 0 0 0 C			• • • • • •	• • • • • • •	• • • • • •	• • • • • •	•••••••	
		UNDREDS GE	GE	GE	GE	GE	GE	GE	GE	
GE	GE	20			10	8	5	4	0	
32	24	20								
				_	33.48	33.8	34.0	34.2	34.6	
2.7	33.0	33.3	33-6	33.7	33.00	22.0		3412		
8.2	38.6	38.9	39.3	39-•3	39.5	39.5	39.7	39.9	40.3	
8.3	38.8	39.0	39.4	39.5	39.6	39•7	39.9	40.1	40.5	
8.4	38 - 8	39.1	39.4	39.5	39.6	39.7	39.9	40.1	40.5	
8.7	39.1	39.4	39.7	39.8	399	40.0	40.2	40.4	40.8	
9.7	40.1	40.4	40.8	40 •=9	41.0	41 • 1	4-1 - 3	41.4	41.8	
2.9	43.3	43.6	44. C	44.1	44.2	44.3	44.5	44.7	45.1	
3.8	44.3	446	45.0	45.1	45.2	45 3	45 • 5	45.6	46.0	
7.3	47.8	48.1	48.6	48.7	48.8	48 - 9	49.1	49-3	49.7	
8.5	49.0	49.3	49.7	49.9	50.0	50.1	50.3	50.5	50.9	
9.8	50.3	50.7	51.1	51.2	51.4	51.4	51.7	51.9	5.2 • 3	
5.5	56.0	56.4	56.9	57.0	57.1	57.2	57-•5	577	58-1	
8.9	59.5	59.9	60.4	60.5	6D.6	60.7	61.0	612	61.6	
3.5	64.1	645	65.1	65.2	65.3	65.4	65.6	65.8	66.3	
6.6	67.3	67.7	68.3	68.4	68.5	68.6	68:• 9	69.1	6.9 • 5	
2.2	73.D	73.5	74 1	74-2	74-•4	7.4 • 5	74.7	749	753	
4.4	75.3	75.7	763	76:•5	76.6	76.7	770	77.2	7-7 •6	
78.7	79.6	80.1	8g.7	80.9	81.0	81.1	84.4	81.6	82.0	
19.6	7).₌6 806	81.1	81.7	8.1.9	82.0	82.1	04.4	82.6	83.0	
32.8	83.8	84.3	85.0	85.2	85.3	85.5	85.7	85.9	86.3	
35.8	87. <sub>0</sub> 0	87.5	88.3	88-•5	88-6	88.7	89.0	89-•2	89.6	
	00.0	20 (	00 //	906	90 • 8	90.9	91.2	91.4	91.8	
37.7 38.5	89.0 89.8	89.6 90.5	9.0 • 4 9-1 • 3	915	91.7	91.8	92.0	92.2	92.7	
	90.9		92.5	92.7						
39.6		91.6	93.7	93.9	94.1	94.2	94.5	94.7	95.1	
90.6	92.1 92.8	92•8 93•6	9-4 • 5	948	95.0	95-1	954	95.6	96.0	
		_	05 7	95.6	95.8	95.9	96•2	96.5	9-6.•9	
918	93.5	94.3	95.3	95.5	96.5	96 • 7	97.0	97.3		
92.3	94.0	94-9	960		90.5 97.0	97.2	97.6	979		
92 • 4	94.3	9.5 • 2	96.4	96.8		97.6	98.1	98.4	•	
92.5 92.5	9 4.•-4 9 4.• 4-	95•4 95•4	96•7 96 <sub>•</sub> 7	97.1 97.2	97.3	97.7	98 • 3	98.7	99.7	
				-		977	00 7	98₌•8	100.0	
92.5	94.4	95-•4	96:•-/	91.2	9-7 • 5	7:1 0-1	70.	7 0:4 0	100.50	

PPPPPPPP		AAAAA		RRRRRRR		THITHTT	EEEEEEEEE
PPPPPPPP	PΡ	-AAAAA	A-A-A	R RRR R	RRRR	TITITITI	<u> </u>
PP	PP	AA	AA	RR	RR	11	EE
PP	PP	A-A	A A	RR	ŔŔ	TT	EE
PPPPPPP	P	AA	AA	R RRR R	RRRR	<b>11.</b>	EEEEEE
PPPPPPP	)	A A A A A A	AAAA	R RRR-R	RR-R	T-T	EEEEEE
ЬЬ		AAAAA	AAAA	RR	RR	ŤŤ	EE
PP		AA	A <sup>-</sup> A	R⁻R	RR	T T	EÉ
PP		ĀΑ	AA	RR	RR	T-T	EEEEEEEEE
PР		AA	AA	RR	RR	<b>1</b> T-	EEEEEEEE

TEMPERATURE AND RELATIVE HUMIDITY SUMMARIE

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF DAILY MAXIMUM (MINIMARY OF DAY DATA.

PERCENTAGE TABULATIONS PRESENTED BY 5-DEGREE FAHRENHEIT INCREMEN IATIONS AND TOTAL OBSERVATION COUNT.

THE MINIMUM TABLE ALSO INCLUDES A 33 FAHRENHEIT DEGREE INCREMENT

SINCE MANY STATIONS/SITES DO NOT HAVE MAXIMUM/MINIMUM THERMOMETER THE HOURLY OBSERVATIONS FOR THE HIGHEST AND LOWEST VALUES.

STATISTICS DO NOT INCLUDE INCOMPLETE MONTHS (THOSE CONTAINING ASTRONOM OR MORE COMPLETE MONTHS ARE REQUIRED FOR COMPUTATION AND DISCOMPLETE.)

EXTREME MAXIMUM AND MINIMUM VALUES

{

1

DATA DERIVED FROM SUMMARY OF DAY DATA.

PRESENTED ARE THE HIGHEST (LOWEST) TEMPERATURE FOR THE MONTH FOR ALSO PRESENTED ARE STATISTICAL VALUES WITH THE SAME LIMITATIONS AN ASTERIST INDICATES AN INCOMPLETE MONTH.

MEANS AND STANDARD DEVIATIONS FOR DRY BULB (WET BULB AND DEW POINT) TE

DATA PRESENTED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTH PRESENTED ARE MEANS. STANDARD DEVIATION AND OBSERVATION COUNTS.

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY

DATA DERIVED FROM HOURLY OBSERVATIONS.

SUMMARIZED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY A PERCENTAGE VALUES PRESENTED IN 10 DEGREE INCREMENTS OF RELATIVE FALSO PRESENTED ARE THE MEAN VALUES AND OBSERVATION COUNTS.

ATIVE HUMIDITY SUMMARIES OF DAILY MAXIMUM (MINIMUM AND MEAN) TEMPERATURES SREE FAHRENHEIT INCREMENTS PLUS THE MEAN, STANDARD DEV-ENHEIT DEGREE INCREMENT. ELMUM/MINIMUM THERMOMETERS, THESE TEMPERATURES WERE SELECTED BY SCANNING ND LOWEST VALUES. SES (THOSE CONTAINING ASTERISKS). O FOR COMPUTATION AND DISPLAY OF STATISTICAL VALUES. YATURE FOR THE MONTH FOR EACH YEAR. NE THE SAME LIMITATIONS MENTIONED ABOVE. T T BULB AND DEW POINT) TEMPERATURES DIE GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED). IND OBSERVATION COUNTS. OF RELATIVE HUMIDITY • ) VIROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED). ) IN INCREMENTS OF RELATIVE HUMIDITY. BSERVATION COUNTS.

GLUBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC CUMULATIVE PERCENTAGE OF OCCURRENCE OF FROM SUMMARY OF DAY

STATION NUMBER: 036440

STATION NAME: RAF FAIRFORD UK

						-			
TEMP	(F)-i	JAN	FEB	MAR	APR	MĄY	אמר	JUL	-
GE	90	• • • • • • • •	• • • • • • •	• • • • • • • •	• • • • • • • •	• • • • • • •	o • •-• • • • •	.8	•
GE	851					• 2		1.9	~
GE	801					. 4	3 • 3	8 • 4	
GE	751					2 • 2	11.8	23.2	
GE	70				1.7	8-8	29.1	48.4	
GE	651			• 9	5.5	19.7	53.7	.79.5	
GE	60		. 6	1.5	17.1	46.1	89.0	98.7	
GE	551	• 7	3.8	12.2	47.6	80.5	98.2	100.0	
GE	5.01	14.7	22.5	41.6	82.0	98.3	100.0		
GE	45	40.2	45.5	72.6	96.1	100.0			
GE	401	61.1	63.6	90.1	99 • 1				-
GE	35	84 • D	87.4	99 • -5-	100.0				
GE	301	94.8	98•:6	100.0					-
GE	25	989	100.0						-
GE	201.	99-•6	-						
GE	151	100.0							-
•.•• • • • • • • • •.•.•-			• • • • • • •	• • • • • • • • •					. :
MEAN	i	41.7	430	478	54.4	59.8	66.4	69.9	,
SD	1	7.146	7 • 09 5	5.955	6.005	6.303	6.237	6.256	
TOTAL OF	s i	537	494	548	532	544	492	521	Ē

## INTENTAGE OF OCCURRENCE OF MAXIMUM TEMPERATURES FROM SUMMARY OF DAY DATA

	FAIR	o <sub>R</sub> D UK				PERIO	OF RECO	RD: 52-9	5, 58-64,	79-
	МАЧ	JUN	JUL	AUG	SEP	ост	NOV	DEC	ANNUAL	•••
	.2 .4 2.2 8.8 19.7 46.1 80.5 98.3 30.0	3.3 11.8 29.1 53.7 89.0 98.2 100.0	.8 1.9 8.4 23.2 48.4 79.5 98.7 100.0	1.0 4.2 15.2 40.6 75.2 98.5 100.0	.2 .8 3.7 17.1 43.7 84.1 97.9	.6 2.2 8.0 30.2 69.4 95.9 10 <sub>0</sub> .0	1.4 19.7 54.3 82.2 93.2 99.4 100.0	.2 4.6 27.3 58.0 75.5 91.2 99.6	1 3 1.4 4.7 12.3 23.8 38.9 52.9 69.8 82.9 90.3 96.8 99.4 99.9 100.0	
1	59-8 -303 544	66.4 6.237 492	69.9 6.256 521	68.8 5.502 520	64.4 5.264 515	57.4 5101 51.0	49.4 5.633 488	44.7 6.731 502	55.6 11.592 6203	• • • •

USAFETAC AIR WEATHER SERVICE/MAC

GLOBAL CLIMATOLOGY BRANCH CUMULATIVE PERCENTAGE OF OCCURRENCE FROM SUMMARY OF

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

• • • • • • • • • • • •	• • • • •	• • • • • • • •	*	• • • • • • • •	• • • • • •	• • • • • • •	• • • • • • • •	• • • • • •
TEMP	(F)	ИАС	FEB	MAR	APR	MAY	NUC	JUL
GE GE GE GE GE GE GE GE GE GE	701 601 551 501 451 401 351 331 301 251 201 151		.8 6.5 18.6 42.1 52.8 68.8 90.5 95.5	7.1 21.9 51.5 66.8 83.6 94.2 99.8 100.0	1.1 18.4 44.2 79.1 88.9 97.0 100.0	1.8 13.8 50.2 78.7 96.3 98.7	1.8 16.3 54.7 89.0 97.6 99.6	5.6 35.5 79.8 98.1 99.8 100.0
GE GE GE MEAN SD TOTAL C	5  0  -5	99.8 100.0 	33.0 7.154 494	35•1 6•172 548	39.1 5.254 532	43.9 5.074 544	49.9 4.764 492	52.9 4.336 521

INTERCENTAGE OF OCCURRENCE OF MINIMUM TEMPERATURES FROM SUMMARY OF DAY DATA

1000	RAF FAIRE	ORD UK				PERIOD	OF RECO	ORD: 52-5	5, 58-64,	79-
UG	YAM	JUN	JUL	AUG	SEP	ост	NOV	DEC	ANNUAL	••••
• 2			• • • • • • • •	. 2		• • • • • • • •	• • • • • • • •		• 0	• • • •
•7 •9 •7 •6	1 • 8 13 • 8 50 • 2	1.8 16.3 54.7 89.0	5.6 35.5 79.8 98.1	8.7 36.0 77.9 97.7	1.6 14. <sub>0</sub> 47.8 79.6	.6 6.7 22.9 52.5	.6 7.0 24.8	.2 3.0 13.3	1.5 9.2 25.6 45.2	
• 0	78.7 96.3 98.7 100.0	97.6 99.6 1.00.0	99 • 8 1 00 • 0	99.6 100.0	93.8 99.6 100.0	75.9 92.9 96.3 98.6 100.0	43.6 72.7 82.0 90.6 98.2 99.8 100.0	27.7 55.0 64.7 78.7 91.8 97.0 99.4	59.6 77.5 83.6 90.4 96.8 98.8 99.7	
10 0								100.0	100.0 100.0 100.0	
•0 99 20	43.9 5.074 544	49.9 4.764 492	52.9 4.336 521	53.0 4.699 520	48.8 5.533 515	44.4 6.625 510	38.9 7.033 488	35.2 8.023 502	42.2 9.580 6203	• • • •

}

·

\_)

)

GLOBAL CLIMATOLOGY BRANCH CUMULATIVE PERCENTAGE OF OCCURRENCE FROM SUMMARY OF DAY

STAT	TON	NUMBER:	N 76440
31 MI	7014	MOBBEN *	030440

BER: 036440 STATION NAME: RAF FAIRFORD UK

TEMP	(F)	JAN	FEB	MAR	APR	MAY	JUN	JUL
6E 6E 6E 6E 6E 6E 6E 6E 6E 6E	75  70  65  65  55  45  40  35  25  15  10	2.2 16.2 41.9 66.9 86.0 95.3 98.0 99.3 99.8	.2 3.4 20.2 43.9 68.6 90.9 98.0	7.1 32.8 64.8 90.7 99.3 100.0	6.8 31.4 70.5 93.8 99.8 100.0	.2 1.1 8.3 27.6 68.7 95.2 100.0	2.2 10.2 35.8 81.1 97.2 100.0	1.2 6.1 23.4 67.9 98.3 100.0
MEAN SD TOTAL (	BS I	37.2 7.256 537	38.3 6.686 494	41.7 5.293 548	47.0 4.851 532	52.1 4.822 544	58.4 4.748 492	6 <sub>1</sub> .7 4.496 521

3

# ENTAGE OF OCCURRENCE OF MEAN TEMPERATURES FROM SUMMARY OF DAY DATA

FAIR	FORD UK	•••••			PERIO	OF REC	ORD: 52-9	55, 58-64,	79-
MAY	JUN	JUL	AUG	SEP	ост	иον	DEC	ANNUAL	
• • • •	• • • • • • •		• • • • • • •			• • • • • • • •	• • • • • • •	• • • • • • • • •	
		1.2	-					• 1	
• 2	2.2	6.1	3.7	• 2				1.0	
1.1	10.2	23.4	22.1	2.9	• 6			1.0 5.0	
.8 • 3	35.8	67.9	59.4	28.3	6.7			17.2	
7.6	81.1	98.3	96.5	69.9	25.5	2.9	1.2	34.0	
8.7	97.2	100.0	100.0	95.D	61.8	20.9	9 • 2	49.7	
15.2	100.0	10010		99.8	92.0	47.7	28.3	66.9	
10 • 0				100.0	99.6	79.5	58 • 6	81.9	
10 - 0					100.0	95.7	79.9	91.8	
					10000	99.2	92.4	97.3	
						99.8	98.8	9.9 • 3	
						100.0	99.4	99 •-8	
						100.0	99.8	99.9	
							100.0	100.0	
							100.0		
								100.0	
		• • • • • • •			• • • • • • • • • • • • • • • • • • • •			40 0	• • •
u2 • 1	58.4	61.7	61.2	56.8	51.2	44.4	40.2	49.2	
822	4.748	4 • 4 9 6	4.235	4.499	5.199	5.861	7.029	10.170	
54-4	492	521	520	515	510	488	502	6203	

, ,

\*\*

Ĵ

)

7

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC EXTREME VALUES OF MAXIMUM TEMPE (FROM DAILY OBSERVATIONS)

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

		••••••		• • • • • • •		-M-(	GREES FAHRE
YEAR	JAN	FEB	MAR	APR	YAM	JUN	JUL
52		•••••	-	•••••	••••	<b>*8</b> 3	89
53	54	60	69	67	85	82	76
54	55	54	60	61	76	72	71
55	53	52	56	65	67	74	86
58	55	57	55	70	75	74	82
59	51	61	60	66	78	75	85
60	54	60	58	65	74	81	70
61	52	58	67	62	72	84	8.1
62	53	52	57	68	65	74	78
63	39	42	57	64	76	78	79
64	53	55	56	67	<b>*74</b>		
79							
80	<b>*48</b>	<b>*55</b>	*57	<b>*7</b> 0	*77	<b>*84</b>	<b>*82</b>
81	<b>*52</b>	<b>*</b> 52	57	70	*70	73	79
82	<b>⇒52</b>	54	59	63	77	82	81
83	<b>*55</b>	54	57	61	66	77	90
84	55	52	55	70	70	79	82
85	52	59	55	63	68	73	82
86	52	39	55	57	66	84	82
87	50	57	54	72	72		
MEAN	52.0	54.1	58.1	65.4	72.5	77.5	80.8
S.D.	4.C38	6.120	4.145	3.983	5.592		5.492 5
TOTAL OBS	537	494	548	532	544	492	521

NOTES \* (BASED ON LESS THA # (AT LEAST ONE DAY

### VALUES OF MAXIMUM TEMPERATURE OM DAILY OBSERVATIONS)

ORD UK

PERIOD OF RECORD: 52-55, 58-64, 79-87

'n		REES FAH						** *
14.4.44		N-T-H-S-		CED	ACT	NOU	050	ALL
МАУ	JUN	JUL	AUG	SEP	OCT	NOV	DEC .	MONTHS
• • • • • •	<b>*83</b>	89	76	68	60	57	53	• • • • • • • • • • • • • • • • • • • •
85	82	76	87	76	67	58	57	87
76	72	71	76	80	67	58	58	80
67	74	86	87	<b>*73</b>				
75	74	82	78	77	63	59	55	82
78	75	85	80	80	77	60	54	85
74	81	70	73	72	66	59	54	8-1
7 <sub>2</sub> 65	84	81	88	85	68	58	58	88
65	74	78	71	75	65	57	54	78
76	78	79	74	73	68	61	51	79
×74								
				<b>*72</b>	<b></b>	<b>*57</b>	<b>*61</b>	
*77	<b>*84</b>	<b>*82</b>	<b>*75</b>	<b>*73</b>	<b>*63</b>	<b>*57</b>	<b>*</b> 54	<b>*84</b>
<b>*70</b>	73	79	81	75	63	61	<b>*52</b>	81
77	82	81	82	79	61	61	<b>*54</b>	82
66	77	90	88	73	68	61	54	90
70	79	82	84	75	63	61	54	84
68	73	82	75	75	79	61	<b>*</b> 5.7	82
66 72	84	8 2	72	70	70	57	<b>*57</b>	84
72.5	77.5	80.8	79.5	75.5	67. <sub>0</sub>	59.3	54.7	82.7
•592	4.257	5.492	5.967	4.291	5.305	1.668	2.149	3.536
544	492	521	520	515	510	488	502	6203
				• • • • • • • •	• • • • • • •	• • • • • • •	• • • • • • • •	• • • • • • • • • • • • •

TES \* (BASED ON LESS THAN FULL MONTHS)

<sup># (</sup>AT LEAST ONE DAY LESS THAN 24 OBS)

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

Ī

1

EXTREME VALUES OF MINIMUM T (FROM DAILY OBSERVATION

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

******	• • • • • • • •	• • • • • • •		• • • • • • •	•••••		
						WHOLE DE	
	14.1	CCD	14.4 🗅	400	14 6 14		)-N-T-H-
YEAR 1	JAN	FEB	MAR	APR	MAY	JÜN	JUL
co !		0.4 +-6 + 6 + 6	*******	• • • • • • •	••••••	*39	44
52   53	24	22	23	31	37	42	47
54	15	18	26	29	34	43	44
55	14	18	22	32	34	39	46
58	15	27	21	27	37	44	46
59	19	25	33	34	35	7 4 4 4	44
						45	45
60	22	25	31	31	38	42	43
61	27	34	26	37	34		
62	5 5	25	19	31	32	34	42
63 (		16	21	30	31	45	44
64	17	20	26	27	*36		
79							
80	<b>*21</b>	*28	<b>*25</b>	*30	*34	*43	*45
81	<b>≯27</b>	*19	32	30	<b>*34</b>	4 1	43
8 <sub>2</sub>   83	<b>*-2</b>	19	27	28	30	41	46
	*25	21	28	28	37	45	46=
84	21	21	28	25	30	37	39
85	18	16	21	30	34	37	45
86	21	16	21	28	34	39	45
87	12	19	21	32	32		
MEAN	16.8	21.3	25.1	30.0	33.9	41.2	44.3
S.D. 1	6.447	4.909	4.351	2.872	2.576	3.385	1.957
TOTAL OBS 1	537	494	548	532	544	492	521

NOTES \* (BASED ON LESS # (AT LEAST ONE D

IRFORD UK

)

PERIOD OF RECORD: 52-55, 58-64, 79-87

	WHOLE DEG			• • • • • • •		••••	•••••	• • • • • • • • • • • • • • • • • • • •
MAY	70N -M-0-	N-T-H-S	AUG	SEp	oc <sub>T</sub>	NOV	DEC	ALL MONTHS
•••••	*39	44	46	35	27	24	17	••••••
37	42	47	45	42	30	32	32	22
34	43	44	45	35	28	25	26	15
34	39	46	44	*39				-3
37	44	46	46	42	37	31	29	15
35	44	44	45	35	34	21	27	19
38	45	45	43	39	31	28	25	22
34	42	43	45	38	29	25	14	14
32	34	42	43	33	27	23	17	5 5
31 *36	45	44	43	38	36	29	17	5
				*39	<b>*37</b>	*21	*30	
*34	*43	<b>*45</b>	*43	*41	*30	*30	*21	*21
<b>*34</b>	41	43	45	43	28	2-8	<b>*</b> 0	*0
30	41	46	37	36	34	25	<b>*25</b>	<b>*~2</b>
37	45	46	45	39	27	1-6	19	16
30	37	39	4.5	4-1	30	30	27	21
34	37	45	4.6	37	34	25	*19	16
34	39	45	41	34	30	30	<b>*28</b>	16
32								
33.9	4-1 2	44.3	44.0	378	30.8	26.1	22.7	153
2.576	3.385	1.957	2.309	3.167				6.614
544	492	521	520	5 <sub>1</sub> 5	510	488		6203

NOTES \* (BASED ON LESS THAN FULL MONTHS) # (AT LEAST ONE DAY LESS THAN 24 OBS)

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

Ü

## DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

HOURS STATS	JAN	FEB	м д-R	-«.»-»-»-» «.» « АРК	. <b></b> МА Ү	JUN	JUL .
MEA:N     CC-32   SD     TOT OBS	38.2 8.350 752	3-5 · 7 7 · 18-5 73 3	38 •7 6 • 0 17 7-64	41.7 5.550 757	461 4.6.97 7.60	52.9 5.344 688	57.1 5.050 684
MEAN     03-05  SD   TOT OBS	37.4 8.553 757	35.0 7.332 737		40.2 5.833 756	44.5 5.040 765	51.0 5.163 698	54_8- 5.115 713-
MEAN     D6-08  SD     TOT 08S	815	35.0 7.321 772	38 · 2 6 · 2 5 6 8 37	42 • 1 5 • 7 0 4 8 2 7	47.8 4.577 842	54.7 4.883 742	58 . 4 4 . 6 4 6 7-6 5
MEAN   09-11  SD    TOT 08S	38.6 8.177	37.4	4.2 .4 5275 852	483 5725 829	53°•=4 5-•-1:8-1 8-4-7	60 -8 6 -4 98 748	65 2 5 816 781
MEAN     12-14  SD     10T 08S	41,3 7,455 834	40.7 6.323 775	45.6 5.020 847	8 1 8	56.7 6.128 837	-64-57 7-466 7-4-1	69.5
MEAN 15-17  SD   TOT OBS	40.7 7.371 827	41.0 6,241 774	45-6 4-851 840		570	652 7629 745	70.2 7.388 762
MEAN   18-20  SD   TOT OBS	•	6.•400 659	7 14	48 •5 6 • 552 674	53-,-5 5-,429- 7-1-2	61.4 6.731 601	665 63795 604
MEAN 21-23  SD   TOT OBS	37.4 8.389	35.8	39.9 5.244 666	43.7	48.7 4.652 704	55.8 5.540 619	60.3 5 5113 6.27
MEAIN ALL   SD HOURS   TOT OPS	38.7 8.211 6120	37.4 7.185 5811	41.4 6.274 6284	462 7660 6165	51.1 6.955 6302	584- 8085 5582	629 81.08 5702

RATURES DEG F FROM MEANS AND STANDARD DEVIATIONS OBSERVATIONS

FORD UK

PERIOD OF RECORD: 74-76,79-87

G	MAY	JUN	JüL	AUG	SEP	ост	NOV	CEC	A N N
. E 77 95	4.697 760	52.9 5.344 688	57.1 5.050 684	56.8 4.777 695	52.5 5.034 705	48.1 6.867 753	43 • 0 7 • 250 809	39 · 8 7 · 946 775	45.6 9.500 8875
.7	44.5	51.0	54.8	54.7	51.1	47.2	42.6	39.4	44.5
18	5.040	5.163	5.115	5.118	5.547	6.934	7.366	8.121	9.268
11	765	698	713	711	731	764	818	782	8996
.1	47.8	54.7	58 • 4	57.1	52.2	47.5	42.6	39.5	45.8
95	4.577	4.883	4 • 6 4 6	4.795	5.466	6.892	7.587	8.321	10.017
55	842	742	7 6 5	755	753	822	856	821	9607
.3	53.4	60.8	65.2	64.3	58•6	52-0	449	41.0	50.3
36	5.181	6.498	5.816	5.106	4•628	5-837	6938	7.732	11.313
53	847	748	781	763	7 <sub>5</sub> 7	831	878	840	9740
.3	56.7	64.7	69.5	68.3	62.3	55.5	4-78	43.7	53.7
	6.128	7.466	6.975	6.606	5.061	5.198	5-958	6.494	11.728
	837	741	76 <sub>6</sub>	760	756	828	877	827	9666
.9	57.0	65.2	70.2	68-9	62.4	54.7	46.7	42.8	53.6
?1	6.171	7.629	7.388	6-891	5.260	5.211	5.858	6.605	12.090
;0	835	745	762	750	754	829	880	818	9635
. G	53.5	61.4	66.5	64.0	58.2	51.0	44.5	40.9	50.1
. 9	5.429	6.731	6.395	5.959	4.881	5.842	6.489	7.45 <sub>2</sub>	11.430
12	712	601	604	602	574	640	703	690	7870
1 4	48.7	55.8	60.3	59.1	54.1	48.8	43.8	39.7	47.3
	4.652	5.540	5.113	4.924	4.716	6.421	7.264	8.066	10.150
	704	619	627	614	586	625	579	582	74.70
8 4 0	51.1	584	62 •-9	61.8	56.5	50.7	44.5	40.9	48.9
	6.955	8.085	8 •-1 0 8	7.614	6.718	6.900	7.088	7.750	11.293
	6302	5582	57.02	5650	5616	6092	6400	6135	71859

•)

1

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

### WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

FCUFS  STATS   LST	JÅN	FEB	MAR	APR	MAY	JLN	JUL È
MEAN	36.2	34.0	36,6	3 <sup>9</sup> • 5	43.9	50.5	54.3
0C-62  SD	8.155	7.242	5.954	5 • 471	4.794	5.285	4.959
TOT 08S	752	733	764	757	760	6.88	684
rear	35.6	33.4	35.9	38.3	42.6	48.9	52.7
3-05  SD	8.305	7.306	6.09 <sub>1</sub>	5.763	5.048	5.144	5.057
Tot 035	757	737	764	755	765	698	713
MEAN	35.4	33.5	36.4	40.0	45.2	51.7	55.2
12  30-66	8.35 <sub>1</sub>	7.361	6.086	5.450	4.418	4.601	4.286
280 TOT	815	771	336	82 <sub>6</sub>	841	742	763
29-11  SD   TOT OBS	36.7 7.933 838	35.4 6.760 776	39.6 5.210 852	44.2 5.14 <sub>0</sub> 829	48.5 4.280 847	54.9 5.140 748	58.5 4.280 778
MEAN	38.7	37.7	41.5	46.0	50. <sub>0</sub>	56.6	60.1
12-14  SD	7.258	6.419	4.969	5.603	4.608	5.302	4.602
HOT OBS	834	775	847	818	837	741	763
MEAN	38-2	37.9	41,4	46.0	50 · 1	57.0	60.4
15-17  SD	7-222	6.456	4,868	5.769	4 · 6 6 5	5.269	4.597
TOT 08S	827	774	840	821	8 3 5	744	762
MEAN	36.2	35.6	39.3	43.9	48.5	55.3	59 • 0
19-20  SO	7.610	6.721	5.305	5.510	4.673	5.148	4 • 6 5 5
TOT OES	697	659	714	674	712	601	6 0 4
MEAN	35•3	33.7	37.4	40.9	457	52.5	56.2
21-23  SD	8.148	7.033	5.385	5.287	4.698	5.142	4.649
TOT OBS	600	585	660	683	704	619	627
MEAN	36.6	35.2	38.6	42.4	46.9	53.5	57.1
ALL   SD	7.957	7.131	5.866	6.198	5.355	5.837	5.350
HCURS  OT OBS	6120	5810	6283	6163	6301	5581	56.94

FORD UK

9 0 PERIOD OF RECORD: 74-76,79-87

	MAY	JLN	JUL	AUG	SEP	ост	МО·Л	DE C	ANN	
• 1	43.9 4.794 760	50.5 5.285 688	54.3 4.959 684	54.1 4.762 695	50.4 5.237 705	46.2 6.644 753	41.1 7. <sub>0</sub> 76 809	37.9 7.706 775	43.5 9.257 8875	••
5 6	42.6 5.048 765	48.9 5.144 698	52.7 5.057 7 <sup>13</sup>	52.6 5.086 711	49.3 5.645 731	45.4 6.752 764	40.7 7.238 817	37.6 7.815 782	42.6 9.129 8994	••
5	45.2 4.418 841	51.7 4.601 742	55.2 4.286 763	54.5 4.609 755	50.3 5.476 753	45.7 6.700 822	40.7 7.401 855	37·7 8·012 821	43.6 9.578 9600	••
9 5 1	48.5 4.280 847	54.9 5.140 748	58.5 4.280 778	58.1 3.990 763	54 • 4 4 • 202 756	49.1 5.398 831	42.6 6.814 878	39.0 7.514 84 <sub>0</sub>	46.5 9.746 9736	
03.5	50.0 4.608 837	56.6 5.302 741	60.1 4.602 763	59.5 4.430 760	55.8 4.346 755	51.2 4818 828	44-•7 5•955 877	41-1 6-474 827	48.3 9.426 9662	- 0 ·
0 : 0 : 5 :	50.1 4.665 835	57.0 5.269 744	60-4 4 • 59 7 762	59.5 4.400 750	55.7 4.568 754	50.5 4.882 825	43.9 5.935 880	40.4 6.556 818	48.1 9.591 9630	
0 C • 4	48.5 4.673 712	55.3 5.148 60.	59 • 0 4 • 6 5 5 6 0 4	57.4 4.509 602	53.8 4.703 574	4.8 • 1 5 • 777 639	42.2 6.583 703	38.7 7.318 690	46.0 9.832 7869	
9 2 1	45.7 4.698 704	52.5 5.142 619	56.2 4.649 627	55.1 4.587 614	51.4 4.996 586	46.5 6.310 625	41.6 7.280 579	37.6 7.877 582	44.5 9.607 7470	
7 4 • •	46.9 5.355 6301	53.5 5.637 5581	57.1 5.350 5694	56.4 5.199 5650	52.7 5.507 5614	47.9 6.309 6087	42•2 6•924 6398	38.8 7,515 6135	4-5 • 5 9 • 7-43 7-1-8-36	• • •
_ '									•	

9

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

DEW-POINT TEMPERATURES DEG F FROM .
HOURLY OBSERVATIONS

HOURS   STATS	NAL I	FEB	MAR	APR	МДҮ	NUL	JÜL
MEAN	33.2	30.8	33.5	36.6	41.3	48.3	52.1
OC-C2  SO	9.205	8.700	6.922	6.283	5.591	6.028	5.532
TOT OBS	752	733	764	757	760	688	684
] MEAN	32.5	30.3	33.ú	35 · 8	40.4	47.0	51.0
] 3-U5  SD	9.322	8.683	6.974	6 · 4 9 6	5.794	5.791	5.4-93
TOT OBS	757	737	764	7 5 5	765	698	7 <sub>1</sub> 3
MEAN	32.5	30.4	33.6	37.2	42.5	49.0	52.8
	9.384	8.82 <sub>1</sub>	6.926	6.097	5.219	5.336	4.812
	815	771	336	826	841	742	763
MEAN	33.6	32.2	35.9	39.3	43.4	49.9	53.5
SD	8.910	8.237	6.448	6.351	5.344		5.370
TOT GAS	838	776	852	829	847		778
12-14 SD TOT 085	75.C	33.4	3.6 • 2	39.2	43.4	50.1	53.3
	8.405	8.342	6 • 8 50	6.765	5.834	6.421	5.728
	834	775	8 47	818	837	741	7.63
MEAN	34.5	33.2	35.6	39.0	43.3	50.4	53 · 2
15-17  St	8.446	8.624	6.983	6.731	6.017	6.313	5 · 4 4 0
TOT OBS	827	774	840	821	835	744	7-6 2
MEAN	32.9	31.5	34 .8	38.6	43.2	50.4	53 • 4
18-20 SD	8.677	8.683	6 . 7 2 2	6.395	5.974	5.959	5 • 5 5 5
TOT ORS	697	659	7 1 4	674	712	601	6 0 4
MEAN	32.1	29.9	33.8	37.3	42.4	49-5	53.0
21-23  SD	9.165	8.625	6.729	6.185	5.766	5-938	5.328
TOT 08S	6nc	585	666	683	704	619	627
MEAN ALL   SD HOURS   TOT OBS		31.5 8.674 5810	34.6 6.923 6283		42.5 5.781 6301	49.3 6.099 5581	52 · 8 5 · 46 4 56 9 4

ORD UK

PERIOD OF RECORD: 74-76,79-87

Ü	МДҮ	NUL	JUL	AUG	SEP	ост	ИОЛ	DEC	ANN	ر
1 · 3 · 9	41.3 5.591 760	42.3 6.028 688	52 · 1 5 · 5 3 2 6 8 4	51.8 5.397 695	48.5 5.983 705	44 • 2 7 • 127 753	809	35.1 8.537 775	40.9 10.086 88.75	ز
71	5.794 765	47.0 5.791 698	713		6.253 731		38.4 8.020 817		40.2 10.015 8994	-~ **
D 6	42.5 5.219 841	49.0 5.336 742	763	7-5 5	753	822	38.3 8.171 855	35. <sub>1</sub> 8.842 821	41.1 10.282 9600	
3. D7	43.4 5.344 847	49.9 6.117 748	53.5 5.370 778	53.4 5.072 763	50.09	46.4 5.968 831	40.0 7.651 878	36 • 3 8:• 3 9 7 8:40	42 • 7 9 • 9 5 7. 9 7 3 6	) )
3. 58 76	43.4 5.834 837	50 • 1 6 • 421 741	53.3 5.728 763	53.0 5-588 760	5-1929 755	47.3 5 873 828	877	7•570 827	43.1 9.638 9662	j
2. 69 75	6.017	50.4 6.313 744		526 5694 750		46.6 6.056 825		37.2 7.63.7 81.8	42 • 8 9 • 7 4 2 9 6 3 0	7
2. 54 60	43·2 5·974 712	50.4 5,959 601		52,4 5.546 602		45-1 6-645 639		35.7 8.3 <u>0</u> 6 690	41.8 10.199 78:69	) ]
1.	42.4 5.766	49.5 5.938 619	53.0	5.1 . 9	48.9	44.0 6.987 625	387	34 · 6 8 · 8-73 582	41.4 10.404 74:70	
2	42.5 5.781 6301	493	52 · 8 5 · 4 6 4 5 6 · 9 4	52.3	4:9.4	45.2	39.4 7760 6398	35.9	4-1 -8	)
				• • • • • • • •	7-0 0 X 0 0 9 9			0 8.0-0-0 4-0 4-		C

 $\bigcirc$ 

O

ţ

**L**.

(

(

GLOBAL CLIMATOLOGY BRANCH CUMULATIVE PERCENTAGE FREQUENCY O FROM HOURLY OBSERVATIONS

i HT NO M I	HOURS (	10%	PE1	RCENTAGE 30%	FREQUENCY 40%	Y OF REL	ATIVE HUI	1I <sub>D</sub>
JAN	00-02	1ეც. ე	100.0	100.0	100.0	100.0	98.4	8
!	03-05	1ეე.ე	100.0	100.0	100.0	100.0	98.0	8
 	P6-08	100.0	100.0	100.0	100.ម	100.0	98.9	8
1	09-11	100.0	100.0	100.0	100.0	99.5	98.2	8
! !	12-14	100.0	100.0	100.C	99.9	99.5	94.4	<b>7</b> :
! !	15-17	100.0	100 · C	1-00.0	99•8	99.4	95.0	7
	18-23	100.0	100.0	100.0	100.0	100.0	98.7	8
* } }	21-23	190.0	100.0	1.00.0	100.0	100.0	98.2	8
	TOTALS	100.0	100.0	100.0	100 0=0	99.8	97.5	8

EA

### PERCENTAGE FREQUENCY OF OCCURRENCE HOURLY OBSERVATIONS

#### RELATIVE HUMIDITY

( = 1

Œ

• •	IRF	ORD	UK				PERIOD OF MONTH: JA		75-76,80-87	
E A	ENC	Y OF	RE	LATIVE	HUMIDITY			MEAN   RELATIVE	TOTAL     NUM	• • •
• •	¥	• • • •	0%	603	70%	8 <sub>0</sub> %	90%	HUMIDITY		• • •
5		100	0.0	98.4	88-•3	58.8	21.0	82.2	752	
51 6	C	100	0.0	98.0	87.7	59-•2	20.2	82.4	757	
5	<b>(</b> 1	100		98.9			25.0	83.5	815	
4	ξ - η		• 5	98•2 94-•4		59.9 44.4	23.9	82.5 78.9	838 834	
4.	.ક		4	95.0		46.2	11.0	78.6	827	
4	ε	100	··D	98-•7		49.5	1-4 - 8	80.6	697	
5		100	• 0	98.2	882	55.7	16.0	8.1 . 4	600	
5	ũ	99	. 8	9-7.5	84-8	54.8	18.1	81.3	6:1.20	

GLOBAL CLIMATOLOGY BRANCH CUMULATIVE PERCENTAGE FREQUENCY C FROM HOURLY OBSERVATIONS

MONTH	FOURS	1	PER	CENTAGE	FREQUENC	Y OF REL	ATIVE HUN	IIC
į	(LST)		<i>.</i>				0-0 0 0 0 0 0-0 0	
i		10%	20%	36%	40%	50%	60%	
	·							-
		;	•-• • • • • •	,	, , , , , , , , , , , ,			
ren !	00 00	1 1	100 0	100 0	100.0	100.0	99.0	8
FEB	00-02	100.0	1.00.0	100.0	100+0	100.0	,,,,	Ü
				150.0	100 0	100 0	00 11	8
	93-05	100.0	100.0	100.0	100.0	100.0	98.4	a
					400.0	.00.0	00 (	٥
1	26-88	100.0	100.0	100.0	100.0	1.00 • 0	98 •-6	8
		•						_
j	09-11	1 100.0	100.0	100.0	100.0	99•6	9-7 • 4	7
	l	1						
	12-14	100.0	1.00.0	100.0	994	96.9	87.4	6
		1						
	15-17	100.0	100.0	100.0	98-•-6	96.6	85.4	5
		1	-					
	18-20	199.0	100.0	100.0	99.8	99-•2	92.6	6
	1020	1 400.0	100.0	10010	,,,,			-
	21-23	lano	1.00 • 0	1:00.0	100.0	100.0	97.8	7
	1 61 61	100.0	7-00 • c	1-00-0	100.0	10000		-
	 	1 1	120 0	100.0	00.7	99.0	94.6	7
	ITOTALS	100.0	130.0	100.0	99.7	77.0	74.0	′
								• • •

VE PERCENTAGE FREQUENCY OF OCCURRENCE IRREFROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

	F	AI	RF	0 R	Đ.	UK											PE	11 N	0 D	OF FE	RI B	EC	0 R I	;		7	5-	-76	,80	-8	7	
• • • • • •	EQ	UΕ	NC	Ϋ́	0F	RE	ELA	ΤΙ	ve.	HUM	IO	ITY	G	RE:	ATE	R	TH	N	• • •	• • •	• •	• • <i>,</i>	oe.	1E A	N		7	0 T	AL		• • •	• •
	- 4	U 4	1		5	U%			60%	•.• •		70%			80	3.2		9	904	,		- 1	HIII	4T:0	TI(	Υ-		0B	m S			
																-						• •		•	• • •	• • •	• •	• • •			• • •	•
	00	. Q	ı	1	00	• 0		9	9.0		8	5 • 1		į	58,	8		24	8.1	}			8	32.	6			73	3			
	Þΰ	. 0	İ	1	00	• 0		y	84		8	7.2		5	59.	2		26	5 • 9	)			8	33.	0			73	7-			
59	50	٠ 0	ŀ	1	00	. 0		9	8.6		8	5.7	-	(	61.	. 6		29	· 6	<u>.</u>			ş	33.	5			77				
61																-							`		•			• •	•			
	30	. ប			99	• 6		9	7.4		7	9.8		9	57.	2		25	5 . 5	<b>i</b>			8	32.	ŋ			77	6			
	99				9-6	• 9		8	7.4		6	22		ι	40.	5		15	5.7	•			7	7.6 •	0			7-7	5			
40	36	• 6			96	. 6		8	5 • 4		5	9.8		3	36.	2		11	. 9	)			7	74.	6	-		77	4			
36	; ; ç	з.			99	• 2		9	2.6		6	9.7		ι	¥5	5		14	.1				-	77.	9			65	9			
45	00	. 0		1	00	• Q		9-	7.8		7.	6.4		ι	15.	6		13	8.8	<b>;</b>			7	79.•	3			58	5			
45	19	. 7			99	. 0		9	4.6		7	5.7		5	5C.	,6		20	1.3	;			-	79.	9		5	8-1	<u>C</u>			
50	٠.,	• •			• • •			• •	•-•	• • •	• «-				) - 0 - 6			- 6 6		• • •		- •	• • • •						•-•-•			0:6.

#### GLOBAL CLIMATOLOGY BRANCH CUMULATIVE PERCENTAGE FREQUENCY OF OCC FROM HOURLY OBSERVATIONS

M ON TH			PER	CENTAGE	FREQUENC	Y OF REL	ATIVE HUI	IDITY (
1	(LST)	10%	20%	30%	40%	50%	60%	70%
AAM	00-02	100.0	1.00.0	100.0	100.0	100.0	98.•7	8.6 • 1
	03-65	   100.0	100.0	100.0	100.0	100.0	99.•6	88.5
	06-08	1 100.0	100.0	100.0	100.0	100.0	99.0	89.5
į	C9-11	100.0	100.0	100.0	100.0	99.5	92.3	71.8
	12-14	100.0	100.0	100.0	99.1	92.1	75.7	48.5
	15-17	100.0	100.0	99.•8	99.0	90.5	70.7	47.9
	18-29	100.0	100.0	100.0	99.9	98.3	87.3	59.2
	21-23	100.0	100 · C	100.0	100.0	100.0	97.7	7-6 • 4
	I TOTALS	100.3	100.0	106.0	99.8	97.6	90.1	71.0

## CENTAGE FREQUENCY OF OCCURRENCE OURLY OBSERVATIONS

### RELATIVE HUMIDITY

ORD UK			۲	ICNTH: MAR		75-76-,80-87	
50%	4TIVE HUI	70%	REATER T 80%	9 D <sub>%</sub>	MEAN  RELATIVE  HUMIDITY	OBS	• • • •
100.0	98.7	86.1	57.7	19.1	81.9	764	
100.0	99.6	88.5	59.7	22.1	82 <sub>n-</sub> 7	764	
100.0	99.0	89.5	63.3	28.7	83.8	836	
99.5	92.3	71.8	44.4	16.3	78.3	852	
92.1	75.7	4:8.5	24.1	6.8	70.4	84-7	
90.5	70.7	4.7.9	22.9	8.2	69.47	84C	
98.3	87.3	59.2	31.7	6.7	74.6	7:14	
100.0	97.7	76.4	45-•5	9.8	79.0	666	
97.6	90.1	71.n	43.47	14.7	77 • 6	6283	

ر \_ )

ر

-

محمد

--

Ĵ

)

)

<u>}</u>

j

)

`

")

\_)

<u></u>

つ

#### GLOBAL CLIMATOLOGY BRANCH CUMULATIVE PERCENTAGE FREQUENCY OF OCC FROM HOURLY OBSERVATIONS

H ON TH	FOURS	· · · · · · · · · · · · · · · · · · ·	PEF	CENTAGE	FREQUENC	γ OF REL	ATIVE HU	MIDITY
	[ ([3])	10%	20%	30%	40%	50%	60%	70% -
APR	00-03	100.0	100.0	100.0	100.0	100.0	98.7	0.88
	03-65	1   1gc.j	100.0	100.0	1.00.0	100.0	99.6	91.5
	C6-08	100.0	103.0	100.0	100.0	99.9	98.8	897
	09-11	100.0	100.0	1.00.0	99.3	95.5	81.2	56.7
	12-14	130.0	100.0	99.3	9-6-• 9	82.3	55-4	31.1
	15-17	100.0	100.0	99•.6	95.5	77 •-2	51.9	32.9
	18-20	100.3	130.C	130.0	99.0	91.7	74.9	49.9
	21-23	130.0	100.0	1-06.0	100.0	99.7	95.0	75.7
•	TOTALS	100.0	100.0	99.•9	9.8 • 8	93.3	81.9	64.4

## PERCENTAGE FREQUENCY OF OCCURRENCE NO HOURLY OBSERVATIONS

### RELATIVE HUMIDITY

	AIR	RFORD UK				PERIOD OF MONTH: API		75-76,80-87	
- [	10 %	ICY OF REI	ATIVE HU	• • • • • •			MEAN   RELATIVE   HUMIDIT		• • •
	0.0	100.0	98.7	88.0	58.9	22.5	82.6	757	• • • •
	3.0	100.0	99.6	91.5	67.7	27.9	84.4	755	
-	<b>9.</b> 0	99.9	98.8	89.7	61.7	23.4	93.2	826	
	. 3	95.5	81-•2	56.7	25-•2	6.5	72.0	829	
-	9	82.3	55.4	3-11	1:0.9	2 • 1	63.2	818	
	. 5	77.2	51.9	32.9	1.1 • 4	2.3	62.3	821	
-	<b>.</b> 0	91.7	74.9	49.9	20.8	4.5	69 •-7	674	
5.	• 0	99.7	95.0	75.7	413	12.0	78:•5	683	
2	8	93.3	81.9	64.4	37.2	127	74.5	6-16-3	

.

. -

٠,

)

)

. .

-

-

.

-

) '

J.

, <del>-</del> ,

1)

[

#### GLOBAL CLIMATOLOGY BRANCH CUMULATIVE PERCENTAGE FREQUENCY OF ( FROM HOURLY OBSERVATIONS

M ON TH	_		PER	CENTAGE	FREQUENC	y OF RELA	TIVE HU	MIDITY
	(-LST)   	10%	20%	30%	40%	50%	68%	702
			• • • • • • • •	•••••	1-4.5 4 4 4 4 4 4	• • • • • • •		
MAY	00-02	100.0	100.0	100.0	100.0	100.0	99.6	93.∙€
	53-85	100.0	100.0	100.0	100.0	100.0	99.5	95.4
]	96 <b>~</b> 08	100.0	100 · C	100.0	100.0	99.5	97.6	90.7
	09-11	100.0	100.0	1-00.0	99.5	94.0	77.9	53.7
	12-14	100.0	100.0	100.0	95.6	8-1 • 1	52.49	29.7
	15-17	100.0	100.0	99.9	93.7	77.4	50.9	29.2
	18-20	100.0	100 · C	100.0	98.7	93.4	77.2	48.5
	21-23	100.0	100.0	100.0	100.0	99.7	97.6	848
	I I TOTALS	   1 <sub>00</sub> .3	100.0	100.0	98.4	93.1	81.7	65,7

# ELATIVE PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

### RELATIVE HUMIDITY

'	RAF FAIRF					MONTH: MA		·	
7131	E FREQUENC	y OF REL	ATIVE HU	MIDITY	GREATER	THAN	MEAN	TOTAL   NUM	•.• • • •
81			60%	7.0%	80%	90 <sub>%</sub>	HUMIDITY		••••
• •	100.0	100.0	99.6	93.6	60.1	21.3	83.3	76C	
9 .	100.C	100.0	995	95.4	69.9	27.8	85.4	765	
6 1	106.0	99.5	97.6	90.7	56.5	18.9	82.1	841	
8.	99.5	94.0	77.9	53.7	18.3	3.5	69.47	847	
9,	95.6	31.1	52.9	29.7	9 •-9	1-• 9	62.5	837	
8.	93.7	77.4	50.9	29-2	87	19	61.6	835	
7.	9-8 • 7	93.4	77.2	48.5	17.1	3.1	69-+1	712	
1.	100.0	99.7	97.6	84.8	4-16	9.9	79⊶0	704	
5,	98.4	93.1	81.7	65.7	35-• 3	11.0	74 • 1	6301	×

)

}

1

GLOBAL CLIMATOLOGY BRANCH CUMULATIVE PERCENTAGE FREQUENCY OF FROM HOURLY OBSERVATIONS

MONTH			PE	RCENTAGE	FREQUENC	Y OF REL	ATIVE HU	MID.
	(LST)	10%	20%	36%	40%	50%	60%	• • • •
งบ <sub>ั</sub> น	00-02	   100.8	100.0	100.0	100.0	99.9	99.0	91
	03-05	100.3	100.0	1-00.0	100.0	100.0	100.0	91
	06+08 06+08	100.3	130.0	100.0	100.0	99.7	98.4	<b>8</b> t
	09-11	100.0	100.0	99.7	98.3	92.9	72.5	41
	12-14	l ! 100.5	100.0	9-8 -4	92.8	79.4	45.9	2.
	15-17	   100.3	99-6	97.7	9-3 - 4	75.0	44.2	<b>2</b> <sup>3</sup>
	   18-23	   1 <sub>00</sub> .j	105.0	100.0	98.5	91.7	69-4-	41
	1   21-23	1 199.0	1:000	100.0	100.0	9.9 • 8	95.6	8
	I   TOTALS	1   100.0	100.0	99.5	97.9	92.3	78.1	6 .

## TVE PERCENTAGE FREQUENCY OF OCCURRENCE RELATIVE HUMIDITY FROM HOURLY OBSERVATIONS

F	A	IR	F O	RD	U	K

PERIOD OF RECORD: 75-76,80-86

MUL : HTMOM

EA	R	ξÇ	UEN	Сү	OF	REL	ATIV	E !	HUM ID:	ΙΤΥ	GREA:	TER	THA-N	• • • •	MI  REL	EAN Ative	•	TOT A	<u>.</u>	•••	• • • •
•-•		4	0 *	• • •	51	) <b>x</b>	6	0% •••		7 <sub>C</sub> %	}	80%	5	90%	   HUM	Į DITY	Y-	085	ا		• • • •
• •	.) .11	nr	. 17		99	9	99	n	91	19	61	6 <b>.</b> N	28	3- a B	8	47		688			
			.0		100		160						36			6.3		698			
•	•		. 0		99	. 7	9-8	. 4	8	5.4	5.	2.7	21	١.0	8-	1-• 5		742			
			. 3		92	9	72	• 5	4 ;	3.7	21	0.2	: 6	5 <b>.</b> 0	6	8.5		74.8			
i	( 9	92	. 8		79	,-4-	45	. 9	27	5 . 2	Ģ	9-•-7	2	2 • 8	-61	0.9		74.1			
1	; , ,	93	. 4		75	.0	44	• 2	2	76	1-0	0.5		3 • -1	61	0.•7		744			
2		9 8	. 5		91	, 7	69	• 4	4-9	5-, 8	26	0.6	. 6	5 • 5	6	8 • 6		601			
4	10	<b>0</b> 0	. 0		99	8	95	•6	8	32	4.	3₋.9	19	.5	8	0.0		6-1-9			
3	,	97	. 9		92.	.3	7-8	•-1 • •	63	3.1	3	7.0	15	55	 7: • • • •	3.9 •••••		5581.	•-• •	_• • •	• • • •

Ţ

GLOBAL CLIMATOLOGY BRANCH CUMULATIVE PERCENTAGE FREQUENCY OF FROM HOURLY OBSERVATIONS

MONTH! HOURS   (LST)			PEF	RCENTAGE	FREQUENC	Y OF REL	ATIVE HUI	IDI
]	[ ([2])	10%	264	36%	40%	50%	60%	7
JUL	00-62	l 100.0	100 -0	100.0	100.0	100.0	99.0	93
	   83-85   	l 100.0	100 · C	100.0	100.0	100.0	100.0	98
	£6-08	100.0	100.0	100.0	100.0	100.0	98.3	88
	69-11	130.3	100.0	99.7	97.9	90.1	66.8	41
	12-14	100.0	100.0	98.•7	90.4	70.6	38.4	18.
!	1-5-17	!   1 <sub>30+3</sub>	100C	97.9	8-7 • 7	66.4	33.6	1.6
	18-23	100.7	100.0	99.7	96.7	858	59-+4	33
	21-23	130.0	100.0	100.0	100.0	99.7	93.9	7.8
	TOTALS	1 100.0	100.0	99.5	9-6 . 6	89.1	73.7	5.8

# VE PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

ì T

8

; C 74

,6

, 5

5

5.

9

**;7** 

3.

### RELATIVE HUMIDITY

FA	IRF	ORD	UK				HINOM:	յսլ	75-76;	80-86
• • •	• • •	• • • •	6-4-6	LATIV	HUNIDIT	Y GREATER	THAN	ME	EAN L TOTAL	
- 40		. •-•-•	0%	61	0% 7 <sub>0</sub> %	80%	90%		DITY OBS	
be.	3	100	• 0	99	93.0	60-6	24.9	83	3.7 68 <sup>-4</sup>	
be.		100	• 0	100	0 98-:	74.8	36.9	86	713	
35.		100		98	.3 88.3	56.2	21.8	82	763	
97.		90		66			4.2		7 • 2 77-8	
90. 9 <b>7.</b>		70		38			17		3 <b></b> 0 763	
z.6		66 85		33. 59.			2.0		762	
1		99		93.					604 627	
10.	6	89		73.			13.0		2.0 5694	

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

### CUMULATIVE PERCENTAGE FREQUENCY OF OCFOR FROM HOURLY OBSERVATIONS

M ON TH			PE	RCENTAGE	FREQUENC	Y OF REL	ATIVE HU	MIDITY
	(LST)	10%	20%	36%	40%	50%	60%	70%
AU G	00-02	   100.0	160.0	160.0	100.0	100.0	99.1	94.1
	03-05	   100.0	100.0	100.0	1:00 • C	100.0	99.7	98.2
	36-08 	l   100.0	100.0	100.0	100.0	100.0	99.3	94.3
	09-11	100.0	106.0	99.9	98.2	93.6	74.C	46.0
	12-14	   100.0	100.0	98.2	92.6	74.1	4-1 • 7	22.5
	15-17	!   1gn.a	190.0	97.6	88.3	6-7 •-6	37-2	22-1
	18-27	100.0	100.0	99.8	97.5	89.2	66.4	42.7
	21-23	100.0	100.0	100.0	100.0	99-3	94.1	80.8
	I I TOTALS	1 100.0	100.0	9 9-• 4	97.1	90.5	76.4	62.6

### PLATIVE PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

E۲									
103	RAF FAIRF					MONTH: AUG	3	75-76,80-86	
-C	E FREQUENC	Y OF REL	ATIVE HU	MIDITY	GREATER	THAN	MEAN	I TOTAL	• • • •
7	4 ሮ %	50%	60%	7 <sub>0</sub> %	8 C %	90₃	HUMIDITY	I OBS I	•-• • • •
•••0		100.0	99.1	94.1		18.6	83.3	695	
)•£0	100.0	100.0	99.7	98.2	73.6	32.6	86.3	711	
)·10	100.0	100.0	99.3	94.3	61.1	25.6	84.1	755	
3.59	98.2	93.6	7-4-• C	46.0	16.8	4-•-5	8.89	763	
1.2	92.6	74 - 1	41.7	22.5	97	2.• 5	59.8	76.C	
· · · · 6	88.3	67.6	37.2	22.1	8.9	2.5	5-8-4-1	750	
	97.5	892	66.4	42.7	16 •:1	S •-3	6.7. • 2	602	
•.0	100.0	99.3	9-4.• 1	80.8	36.2	8.1	775	614	
. 4	97.1	90.5	76.4	62.6	35.3	12.5	73.1	5650	
								es a deo tióna blanca.	

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC CUMULATIVE PERCENTAGE FREQUENCY OF OF FROM HOURLY OBSERVATIONS

M ON TH-	HOURS (	• • • <del>-</del> • • • • • • • • • • • • • • • • • • •	PE	RCENTAGE	FREQUENC	Y OF REL	ATIVE H	UM:IDITY
!	(LJ ( )   	10%	20%	30%	40%	50%	60%	7-0%
SE.P	00-02	100.0	100.0	100.0	100.0	100.0	99.9	97ċ
	03-05	130.0	1.00 • C	100.0	1-00.0	100.0	100.0	98.2
	!   06-08	100.0	100.0	100.0	100.0	100.0	100.0	98.0
1	69-11	100.5	100.0	100.0	99.3	98.9	89.6	88
,	12-14	100.0	160.0	100.0	98.8	88.5	61.9	40.4
	15-17	130.0	100.0	100.0	976	85.7	62.1	38•.₫
	18-20	100.9	100-0	100.0	99.8	98.3	88.2	7n•6
; ;	21-23	100.0	100.0	10-0.0	100.0	1.00.0	9-9 • 8	92.8
1	TOTALS	100.0	100.0	100.0	99.5	96.4	87.7	7-5 • (

# NCIERCENTAGE FREQUENCY OF OCCURRENCE HOURLY OBSERVATIONS

### RELATIVE HUMIDITY

	ke oi	RD (	IJK				PERIOD OF MONTH: SE		75~76,80~86	
ER 0%	NC Y	0F 50	RELA 5%	TIVE 603	HUNIDITY 70%	GREATER 80%	THAN 90%	MEAN RELATIV	E   NUM	
• 9		00		99.9		73.9		86.3	705	• • • •
• 8	' 1	100	.0	100.0	98 2	79.8	42.7	8.7 • 9	73-1	
1 • 6	1	100	0	1-00 • 0	98.0	76.6	41.0	87.5	75.3	
* . 4		98.	9	89.6	68.8	37.4	12.6	76.3	7.56	
(.7;		8-8	. 5	61.9	9 4 <sub>0•</sub> 4	14.7	4:• 1	66.2	755	
3.3,		85.	. 7	62.1	38-6	13.3	3.8	65.5	754	
) • 7 a		98.	. 3	88.2	7-0.6	30.7	ა • 2	74-•7	5-7-4	-
3.75	. 1	.00	0	99.8	92.8	58.7	19.3	82.8	586	
					75.6			78.4		

.

J

الر.

--#:

--**.** 

ă

)

.

•

•

.

•

-

.

GLOBAL CLIMATOLOGY PRANCH USAFETAC AIR WEATHER SERVICE/MAC

#### CUMULATIVE PERCENTAGE FREQUENCY OF OCC FROM HOURLY OBSERVATIONS

M ON TH	FOURS		PER	CENTAGE	FREQUENC	Y OF REL	ATIVE HU	MIDITY G
* * * * * *		10%	20%	36%	40%	50%	60%	70%
CCT	00-02	100.3	190.0	100.0	100.0	10.0 • .9	99.5	95.8
	03-65 	100.6	100 -0	100.0	100.0	100.0	99.5	96.5
	06-08	100.G	100.0	10.0.0	1.000	100.0	99.1	96.5
	   09-11	100.0	100.0	100.0	100.0	99.4	9-7-•2	89.3
	1 12-14	100.0	100.0	100.0	99.9	97.6	89.6	68.1
	15-17	1 1 100.3	100.0	1.0-00	1.00.0	98.2	91.2	69.1 =
	18-26	100.0	100.0	100.0	1000	997	97.7	8-9 - 4
	21-23	1 100.0	100.0	100.0	100.0	99.8	₹.4	936
	TOTALS	100.0	100.9	100.0	100.0	99.3	96.7	87.3

### PERCENTAGE FREQUENCY OF OCCURRENCE ON HOURLY OBSERVATIONS

### RELATIVE HUMIDITY

A IRF						MONTH: OC		•	6
UENC	Y 0F	R	RELATIVE	HUMIDITY	GREATER	THAN	MEAN   RELATIVI	I TOTAL	• • • • • •
• • • •				• • • • • • • •		• • • • • • • • • •	******	• • • • • • • • • •	• • • • •
• r	100	.0	99.5	95.8	76.0	33.7	86.3	75.3	
• 9	100	.0	99.5	96.5	77.1	38.0	87.2	764	
٦.	1.00	• 0	99.1	96.5	7-91	3-7 •.0	8.7. • 3	822	
. C	9-9	. 4	97.2	89.3	52.2	20.7	81.6	831.	
۶,	97	• 6	89.6	68.1	27.4	6:• 6	74~•.5	828	
. C	9-8	<b>-• 2</b>	91.2	69.1	29.•9	8 • .5	75⊶0	825	
, C	99	-• 7	97.7	89.4	46-•-6	12.1	80 •-4	639	
, D	99	. 8	99.4	936	65 <sub>-•-</sub> Ŋ	18.1	83.4	625	
, Ü	99	3	96.7	87.3	56.7	2-1 8	82. <b>.</b> .0	6087	
	• • • •	• •	-0-9 9-4-9 9 8-4						

.

ئي.

ì

40

,}

.

)

. . .

· )

)

GLOBAL CLIMATOLOGY BRANCH CUMULATIVE PERCENTAGE FREQUENCY OF FROM HOURLY OBSERVATIONS

M CN TH	Hours		PE	RCENTAGE	FREQUENC	CY OF REL	ATIVE HU	idimi
	(LST)	10%	20%	30%	40%	50%	60%	7.
NO V	CO-03	100.0	100.0	100.0	100.0	100.0	99.6	91
	03-05	160.0	100.0	10.0.0	100.0	100.0	99-0	90
	06-C8	100.0	100.0	100.0	100.0	100.0	99.4	89
	79-11	100.0	100.0	100.0	1:000	99.9	97.6	87
1	12-14	100.0	100.0	100.0	100.5	9.9 • 4:	93.2	75.
	15-17	100.5	130 •C	1-00.0	100.0	99.7	94.4	7.9.
	18-20	1 <sub>00.0</sub>	100-C	160.0	100.0	100.0	98.4	85.
	21-23	100.0	100.0	100.0	100.0	100.9	98.8	87.
	TOTALS	100.3	100.0	160.0	100.0	99.9	976	85.

## ATIVE PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

### RELATIVE HUMIDITY

	PAF	FΑ	IRF	ORD	UK				PEPIOD MONTH:	OF RECORD: NOV	74-76	,79-86
	E F <sub>R</sub> b	Qu	ENC	Y OF	R <sup>-</sup> EL	A-TIVE	нийісіту			- MEA	•	· · · · ·
A		40	2	5	0%	60%	78%			•		*
	10	00.	9	100	• C	99.6	91.5	67.6	32.43	85	.1 80	5
6	10	0.	0	100	.0	99.0	90.1	66-5	35.3	85	.1 81	7
66	10	00.	0	100	• 0	99.4	89.9	6-8 - 8	33.1	85	. 2 85	5
68	10	00.	0	99	• 9	97.6	87.9	61.6	26.5	8-3.	. 2 8.7	· <b>8</b>
6	1:0	)C.	6	99	. 4	93.2	7-5-0	403	16.8	78-	.0 87	7
4	110	00.	e	99-	• 7	94 <u>•</u> 4	79.1	47 • 8	1-5 •-7	<b>79</b> .	.6 8.8	Ċ
4	1 10	00.	J	100	• 0	98.4	85.9	60-0	19.9	82	. 3 70	<del>'</del> 3
6	-} -} -	00.	0	100	-• D	9-8-• 8	87.6	59.8	17.6	82	• 2 5-7	9
5	9 10	ю.	C	99	.9	97.6	85-9	59 •-1	247	82	.6 639	/8 

GLOBAL CLIMATOLOGY BRANCH CUMULATIVE PERCENTAGE FREQUENCY O FROM HOURLY OBSERVATIONS

MONTE			PEI	RCENTAGE	FREQUENC	Y OF REL	ATIVE HU	MIO.
	(LST)	4 4 4 4 4 - 6 - 6 - 6 4 4	g-g-11 + + + +	* • • • • • • • • • • • • • • • • • • •			4.04.6.6	
	ĺ	10%	20%	30%	40%	50%	60%	Ē
		-	* * * * * * * *		• • • • • • • •		••••••	• • • •
CEC	00-02	100.7	100.0	100.0	100.0	100.0	99.0	88
	   03-05	100.0	100.0	100.0	100.0	100.0	99.9	<b>8</b> £
	06-08	100.9	100.0	1-00.0	100.0	100.0	100.0	9:[
	09-11	100.0	100.0	100.0	100.0	1.00.0	98.7	8 §
	1.2-14	100.0	100.0	100.0	100.0	1.00-•0	95.D	81
	15-17	100.0	100.C	100.0	100.0	100.0	96.7	84
	1.8-20	100.0	190-0	103.0	100.0	99.9	97.8	86
	21-23	100.0	130.0	100.G	100.0	100.0	98.5	8.7
A A B B-A	TOTALS	199.8	100.0	100.0	100.0	100.0	98.2	86

### REMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE RELATIVE HUMIDITY FROM HOURLY OBSERVATIONS

<b>):</b>	RAF FAIRF	ORD UK				PERIOD OF MONTH: DE	RECORD:	74-76,79-86	
FAAG	E FREQUENC	y OF REL	ATIVE HU	MIDITY			MEAN   RELATIVE	TOTAL   NUM	• • • •
£%	40%	50%	60%	7ე%		90%	HUMIDITY	1	
6,0	100.0	100.0	99•0	88.3	62.6	30.1	8:3 • 8	775	
61.0	100.0	100.0	99.9	88.5	60.1	32.2	84.0	782	
6 • C	100.€	10.0 • 0	1:0.0 • 0	9 g • 6	63.0	32.5	84.5	821	
6,0	100.0	100.6	98.7	88.5	6-13	27.1	83.• 5	84C	
46-8	100.0	100.0	95-∙0	81.3	4-7.5	17.7	80.0	827	
5.0	100.3	100.0	967	84.0	5-1 - 8	18.2	8-1 •= 0	818	
5 1 7	100.0	999	97.3	86.1	57.5	17.8	82.0	6-9 C	
580	100.0	100.0	985	87.8	58.1	20.8	82.2	582	
510		100.0		86.9	57.7	24.6	82.6	6135	
• % .					- 0 -0. 6-0 0 5-0 1		* * * * * * * * * * * * * * * * * * *	* *** * * * * * * * * * * * * *	

}

)

) -

)

GLOBAL CLIMATOLOGY BRANCH CUMULATIVE PERCENTAGE FREQUENCY OF O FROM HOURLY OBSERVATIONS

MONTH			PEI	RCENTAGE	F RE QU'ENC	y OF REL	ATIVE HU	MIDITY
! !	(LST)	10%	26%	3ù%	40%	50%	60%	70%
I VI AL	ALL	100.0	100 · C	100.0	100.0	99.8	97.5	84-8
FEB		100.0	100.C	100.C	99.7	99.0	94:•6	75.7
MAR		1 <u>0</u> 09	100.0	100.0	99.8	97.6	90.1	71.0
APR		100.0	100.0	9-9 •-9	98.8	93.3	81.9	6.44
ו אבא		150.0	196:0	100.0	98.4	93.1	81.7	6-5 • 7
ul (;		189-8	100.0	99.5	979	92.3	78.•1	63-1
JUL		100 • D	186.0	99.5	96-46	89.1	73-•7	58.5
AUC		100.0	100.0	99.4	97.1	90.5	76.4	62.6
SEP		100.0	100.0	100.0	99.5	96.4	87-•7	75.E
ec i		100.0	160.0	100.0	100.0	99.3	96.7	8-7-• 1
VOV		100.0	100.0	160.0	100.0	99.9	97.6	8.5.
DEC		100.0	100+0	100.0	100.C	100.0	98.2	86.
	TOTALS	100.0	100.C	99.9	99.0	95.9	87.9	73.

## FERCENTAGE FREQUENCY OF OCCURRENCE NOT HOURLY OBSERVATIONS

#### RELATIVE HUMIDITY

	FORD					MONTH:	4LL	74-76,79-8	7
EIEN	CY O	F R-E	LATIVE HU	MIDITY G	REA-TER	THAN	ME-AN	TOTAL	-• • • • -• •
e .		50%	60%	70%	80%	90%	[HUMIDI	TY  OBS	• • • • • • •
٦ .	9	9.8	97.5	848	54.8	1-8 • 1-	8-1 - 3	6120	
7	9	9.0	94.6	75.7	50.6	20.3	79.9	581C	
• •	9	7.6	9.0 • 1	71.0	43.7	14.7	77.6	6283	
2	9	3.3	81.9	64.4	372	1.2. 7	74 • 5	6163	
<b>.</b>	9	3.1	81.7	65.7	3.5 • 3	11 <u>.</u> 0	7-4-+-1	6301	
, 5 ,	9	23	7.81	6.3 • 1	37.0	15.5	73.9	5581	
; • ·	8	9-• 1	73.•7	58.5	33.1	13.0	72.0	56.94	
; <b>.</b> 1	9	C • 5	76.4	626	35.43	12.5	73.1	565C	
3 .	9	6.4	87.47	75.6	48.1	20-4	78.4	5614	
, ) •	9	9.3	967	87.3	56.7	21.8	82.0	608.7	
. <u> </u>	9	9.9	97.6	85-•.9	59-1	24.7	82.6	6398	
7.	10	0.0	98.2	86.9	57.7	24.6	82.•6	6135	
5.	9	5.9	87.9	7-3 - 5	45.7	17.4	77.7	71:836 -• •••• •••• •	

)

. ز

..

·

}

•

)

)

ر :

PPPP	PPP	AAA	A A-A	R-RRR-R	RRR	HIIIIIII	FFFFFFFF
PPPP	PPPP	AA-AA	A-A-A	R-RRR-R		THITTT	FFFFFFFF
PP	PP	A.A	AA	Ř-R	RR	1-1	FF
PP	₽P	-A A	AA	R₃Ř	RR-	TI	FF
PPPPP		A-A	AA	R-RRR-R	RRRR	ΪT	F.F.F.F.F
PPPPP	PPP	A-A A A A	AAAAA	R RRR R	RRR	T- T	FFFFF
PP		A A A A A	ΑΑΑΑΑ	RR	RR	ΤŤ	FF
PP		A-A	AA	R⊧R	RR	<b>T</b> -T-	FF
PP		A-A	AA	ŔR	RR	ान	FF
PP		AA	AA	R-R	RR	11	FF

#### PRESSURE SUMMARIES

STATION PRSSURE SUMMARIES

DATA DERIVED FROM HOURLY OBSERVATIONS.

SUMMARIZED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND PRESENTED ARE THE MEANS, STANDARD DEVIATIONS AND OBSERVATION COUNTS

SEA LEVEL PRESSURE SUMMARIES

DATA DERIVED FROM HOURLY OBSERVATIONS.

SUMMARIZED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AN PRESENTED ARE THE MEANS, STANDARD DEVIATIONS AND OBSERVATION COUNT

#### PRESSURE SUMMARIES

VATIONS.

OUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

ARD DEVIATIONS AND OBSERVATION COUNTS.

VATIONS.

OUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

ARD DEVIATIONS AND OBSERVATION COUNTS.

AIR WEATHER SERVICE/MAC

# GLOBAL CLIMATOLOGY BRANCH STATION PRESSURE IN INCHES HG FROM USAFETAC HOURLY OBSERVATIONS

LST	1	ДÂŊ		MAR	APR	мач	ויטע	JUL
ნე	MEAN   SD	29.709 .378 199	29.794 .311 194	•376 217	212	29.636 248 224	.210 181	•182 186
63	SD    Tot oes	.373 204	29.787 .312 200	29.614 .383 217	29.689 .324 212	29.623 .250 .224	29.736 .212 181	29.772 2 .188 186
56	MEAN     SD    TOT OBS	29.700 .374 205	29.775 .311 207	29 • 5 96 • 3-88 2-29	29.709 .322 231	29.626	29.728 .217 201	29.762 2 .192 209
€9	MEAN     SD     TOT   OSS	29.703 .386 227	29.792 .307 212	29 - 0 05 • 3 9 b 2 3 8	29.719 .324 230	29.635 253 236	29738 .216 201	29.769 2 .191 211
12		29.699	29.793 .303 212	29.606 .393 238	29.711 .322 230	29.628 .250 237	29.734 .212 201	29.761 2 .186 210
15	MEAN   SD  TOT OBS	29.679 391 226	29-768 -300 212	29,596 •382 238	29.694 .317 232	29-621 -245 236	29.721 .206 201	29.748 2 .179 210
18	I MEAN I SD	29.687   .389   223	29.776 .301 208	29.600 .377 236	29 • 687 • 314 229	29.617 .243 .236	29-715 -203 201	29-•745 2 •173 206
21		29.710 378 200	29•796 •304 195	29.636 .37 <sub>3</sub> 217	29.696 .324 209	29.635 .247 215	29.75 <sub>0</sub> .202 180	29.774 2 .177 186
ALL	MEAN SD 101 085	29.699	29.785	29.609	29.701	29.627 .248 1843	29.733	29.764 2

# ESSURE IN INCHES HE FROM MEANS AND STANDARD DEVIATIONS RLY OBSERVATIONS

FAIRFORD UK

PERIOD OF RECORD: 79-87

		1 4-4-4 4-4 F F	- * * * * * * *- * (		4=0 8 8 8 8 8 8				
B	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
59 24 12	.248 224	·210 181	29.785 .182 186	•196 191	•290 181	29.679 .347 199	•366 192		29.699 .320 2373
89 _4 12	29.623 .250 224	29.736 .212 181	29.772 .188 186	29.726 .200 195	29.701 .287 197	29 • 65 9 • 35 2 208	29.653 .356 197	29-621 -428 200	29.689 .320 2421
C9 22 31	29.626 .251 .235	29.728 .217 201	29.762 .192 209	29.727 .201 208		29.648 .350 227	29.651 -356 196.	29.610 .428 200	29 • 685 • 320 2550
19 24 30	29.635 253 236	29.738 .216 201	29 • 7-69 • 191 211	•-1 <sup>-</sup> 9 9		29 • 665 • 351 230	29 667 354 217		29 • 6 95 • 3 24 2 6 3 2
11 22 30	29-628 -250 237	29.734 .212 201	29.761 .186 210	29.733 .195 208	29.712 .283 202	29 • 661 • 350 230	29 • 662 • 355 217	29:•.611 •433 220	29.690 .323 2632
94 17 22		29.721 .206 201	29.748 .179 210	•18-8 209	•274 203	29 • 643 • 346 230	•355 217	.432	29.675 .318 2630
27 14 29	.243 236	29.715 -203 -201	29.745 .173 206	29-716 -182 202	29-696 -27:2 199	29.65 <u>-1</u> -346 230			29.676 .317 2596
56 24 E9	29.635 .247 215	29-75n -202 180	29 • 774 • 177 1-86	29.741 .188 186	29.708 -285 180	.29.• 68.2 • 34.9 19.7	29=•66-7 •369 1 <sup>-</sup> 92	29 6 14 446 193	29 • 6.99 • 3.20 23:50
C1 C1 C5 C5 C5		29-733 -210 1547	29.764 .184 1604		297:05 .283 1:566		29.657 .358 1642	29.609 .433 1658	29.688 .3.21 20184